

## **Chapter 3.5 Other Waters Identified for Delisting Since the 2004 Report**

### **Removing Waters from the 303(d) Impaired Waters List**

Some waters contained in prior 303(d) Impaired Waters Lists are not listed as impaired in 2006. Additional monitoring has demonstrated that these waters are fully supporting of Water Quality Standards. The tables that follow provide a list of those waters and their corresponding TMDL ID's and provides explanations for their delisting from the Impaired Waters List. This list of delisting candidates is in addition to the waters delisted in Chapter 3.4a, which EPA approved for delisting in 2004 and 2005. Additionally, waters found in Chapter 3.5a have been delisted due to the removal of one or more designated uses previously identified as impaired. Data and other supporting documentation for all proposed delistings are being submitted to EPA for their review. EPA must first approve before any water may be removed from the Impaired Waters List.

In accordance with EPA Region III guidance, waters can be removed from Category 5 of the 303(d) Impaired Waters List for the following reasons:

- Subsequent assessments show that there are insufficient violations of Virginia's water quality criteria to define the water as impaired.
- A TMDL has been developed and approved by EPA.
- A treatment plant has implemented the water quality based effluent limit, through a change to its discharge permit, and water quality of the receiving stream is being maintained.

Waters having approved TMDLs for one impairment that have additional impairments needing a TMDL are categorized on the 2006 Integrated List as Category 5D. Category 4A waters have completed TMDLs for all impaired parameters. In addition to fact sheets for impaired waters, the mapping application found at <http://gisweb.deq.virginia.gov/>, will also link to a completed TMDL study for each applicable water.

# Waters Identified for Delisting Since 2004 Report

Assessment Unit ID	Waterbody Name	Size	Impairment Summary
<b>Potomac and Shenandoah River Basins</b>			
VAV-B01R_STT01A00	Straight Fork	7.04 MILES	<p>Recreation Use DELIST - Bacteria - VAV-B01R-01</p> <p>Straight Fork was originally listed on the 303(d) list for violating the State's water quality standard for fecal coliform during the 2004 assessment period. During the 2004 assessment period, 3 of 15 samples (20%) exceeded the State's water quality standard for fecal coliform. Since Virginia is transitioning to the use of e-coli as the bacteria water quality standard, fecal coliform monitoring concluded at this station in 2001. However, e-coli monitoring has begun. During the 2006 assessment period, only 1 of 9 samples exceeded the State's water quality standard for fecal coliform and 0 of 11 (includes data from 2005) samples exceeded the State's water quality standard for e-coli. The last violation of either bacteria standard occurred in June of 2000. Data since that time indicate improving water quality with 0 of 17 samples exceeding the State's water quality standard for fecal coliform or e-coli. Based on this improvement in water quality, Straight Fork should be removed from the 303(d) list.</p> <p>Aquatic Life Use DELIST - Temperature - VAV-B01R-01</p> <p>Straight Fork was incorrectly listed on the 303(d) list for violating the State's water quality standard for temperature during the 2004 assessment period. This stream was incorrectly assessed using Class V (Stockable Trout Waters) maximum temperature criteria of 21°C. According to 9 VAC 25-260-430 Straight Fork is designated a Class IV (Mountainous Zones Waters) water. The monitoring station used to assess Straight Fork was 1ASTT006.12 which is within this designation. Therefore, data from this monitoring station should have been assessed against maximum temperature criteria of 31°C (for Mountainous Zones Waters). In the 2004 assessment 4 out of 14 samples (28.5%) exceeded 21°C, however, 0 out of 14 samples violated the correct 31°C standard. During the 2006 assessment period 0 out of 16 samples violated the 31°C standard. Based on these data, and the description of the error made in assigning the stream to Class V, Straight Fork should be removed from the 303(d) list.</p>

# ***Waters Identified for Delisting Since 2004 Report***

<i><b>Assessment Unit ID</b></i>	<i><b>Waterbody Name</b></i>	<i><b>Size</b></i>	<i><b>Impairment Summary</b></i>
<i><b>Potomac and Shenandoah River Basins</b></i>			
VAV-B02R_SOA01A00	South Branch Potomac River	10.16 MILES	<p>Aquatic Life Use DELIST - Temperature - VAV-B02R-04</p> <p>The South Branch Potomac River was originally listed on the 303(d) list for violating the State's temperature standard for stockable trout waters (21°C) during the 2002 assessment period. During the 2004 assessment period 4 out of 17 samples (23.5%) exceeded the State's water quality standard for temperature. During the 2006 assessment period, only 2 out of 21 samples (9.5%) violated the temperature standard. Based on this improvement in water quality below a 10.5% violation rate, the South Branch Potomac River should be removed from the 303(d) list.</p>
VAV-B02R_STC01A00	Strait Creek	3.24 MILES	<p>Aquatic Life Use DELIST - Temperature - VAV-B02R-02</p> <p>Strait Creek was originally listed on the 303(d) list for violating the State's temperature standard for natural trout waters (20°C) during the 2002 assessment period. During the 2004 assessment period 2 out of 13 (15%) exceeded the State's water quality standard for temperature. During the 2006 assessment period, only 1 out of 17 samples (6%) violated the temperature standard. Based on this improvement in water quality below a 10.5% violation rate, Strait Creek should be removed from the 303(d) list.</p>

# Waters Identified for Delisting Since 2004 Report

<i>Assessment Unit ID</i>	<i>Waterbody Name</i>	<i>Size</i>	<i>Impairment Summary</i>
<b><i>Potomac and Shenandoah River Basins</i></b>			
VAV-B03R_SFP01A00	South Fork South Branch Potomac River	2.47 MILES	<p>Recreation Use</p> <p>DELIST - Bacteria - VAV-B03R-01</p> <p>The South Fork South Branch Potomac River was originally listed on the 303(d) list for violating the State's water quality standard for fecal coliform during the 2002 assessment period. During the 2004 assessment period, 3 out of 22 samples (14%) exceeded the State water quality standard for fecal coliform. During the 2006 assessment period, only 1 of 18 samples (5.5%) violated the bacteria standard. Based on this improvement in water quality below a 10.5% violation rate, the South Fork South Branch Potomac River should be removed from the 303(d) list.</p> <p>Aquatic Life Use</p> <p>DELIST - Temperature - VAV-B03R-01</p> <p>The South Fork South Branch Potomac River was incorrectly listed on the 303(d) list for violating the State's water quality standard for temperature during the 2002 assessment period. This stream was incorrectly assessed using Class VI (Natural Trout Waters) maximum temperature criteria of 20°C. According to 9 VAC 25-260-430 the South Fork South Branch Potomac River is designated a Class IV (Mountainous Zones Waters) water. The monitoring station used to assess the South Fork South Branch Potomac River was 1ASFP002.56 which is within this designation. Therefore, data from this monitoring station should have been assessed against maximum temperature criteria of 31°C (for Mountainous Zones Waters). In the 2004 assessment 8 out of 24 samples (33%) exceeded 20°C, however, 0 out of 24 samples violated the correct 31°C standard. During the 2006 assessment period 0 out of 22 samples violated the 31°C standard. Based on these data, and the description of the error made in assigning the stream to Class VI, the South Fork South Branch Potomac River should be removed from the 303(d) list.</p>

# Waters Identified for Delisting Since 2004 Report

*Assessment*  
*Unit ID*

*Waterbody Name*

*Size*

*Impairment Summary*

## ***Potomac and Shenandoah River Basins***

VAV-B05R\_BAR01A00

Back Creek

6.71 MILES

Aquatic Life Use

DELIST - Temperature - VAV-B05R-01

Back Creek was incorrectly listed on the 303(d) list for violating the State's water quality standard for temperature during the 2002 assessment period. This stream was incorrectly assessed using Class V (Stockable Trout Waters) maximum temperature criteria of 21°C. According to 9 VAC 25-260-430 Back Creek is designated a Class IV (Mountainous Zones Waters) water. The monitoring station used to assess Back Creek was 1ABAR04.26 which is within this designation. Therefore, data from this monitoring station should have been assessed against maximum temperature criteria of 31°C (for Mountainous Zones Waters). the 2004 assessment 3 out of 17 samples (18%) exceeded 21°C, however, 0 out of 17 samples violated the correct 31°C standard. During the 2006 assessment period 0 out of 10 samples violated the 31°C standard. Based on these data, and the description of the error made in assigning the stream to Class V, Back Creek should be removed from the 303(d) list.

DELIST - Benthic Macroinvertebrates - VAV-B05R-01

This segment was incorrectly assessed as impaired for benthics in the 2004 cycle. The station at which the survey was taken is located at station 1ABAR0046.01 which is located in assessment unit VAV-B05R\_BAR02A04.

# Waters Identified for Delisting Since 2004 Report

*Assessment*  
*Unit ID*

*Waterbody Name*

*Size*

*Impairment Summary*

## Potomac and Shenandoah River Basins

VAV-B05R\_BAR02A04

Back Creek

11.22 MILES

Aquatic Life Use

DELIST - Temperature - VAV-B05R-01

Back Creek was incorrectly listed on the 303(d) list for violating the State's water quality standard for temperature during the 2002 assessment period. This stream was incorrectly assessed using Class V (Stockable Trout Waters) maximum temperature criteria of 21°C. According to 9 VAC 25-260-430 Back Creek is designated a Class IV (Mountainous Zones Waters) water. The monitoring station used to assess Back Creek was 1ABAR04.26 which is within this designation. Therefore, data from this monitoring station should have been assessed against maximum temperature criteria of 31°C (for Mountainous Zones Waters). the 2004 assessment 3 out of 17 samples (18%) exceeded 21°C, however, 0 out of 17 samples violated the correct 31°C standard. During the 2006 assessment period 0 out of 10 samples violated the 31°C standard. Based on these data, and the description of the error made in assigning the stream to Class V, Back Creek should be removed from the 303(d) list.

DELIST - Benthic Macroinvertebrates - VAV-B05R-01

Back Creek was originally listed on the 303(d) list for violating the State's general standard for benthic communities during the 2004 assessment period. The overall benthic assessment was slightly impaired, but a moderate impairment was observed within the last two samples resulting in its listing as impaired. It was believed that this moderate impairment was due to pollution event in 2000 that resulted in a fish kill in the area. During the 2006 assessment period, the overall benthic assessment was slightly impaired, but the two most recent RBP I benthic surveys indicate an unimpaired status. Additionally, SCI (Stream Condition Index) scores of 76.05 and 67.13 indicate a fully supporting status. These scores are well above the recommended cut-off of 61.3. Based on these data, Back Creek should be removed from the 303(d) list.

# ***Waters Identified for Delisting Since 2004 Report***

<i><b>Assessment Unit ID</b></i>	<i><b>Waterbody Name</b></i>	<i><b>Size</b></i>	<i><b>Impairment Summary</b></i>
<i><b>Potomac and Shenandoah River Basins</b></i>			
VAV-B06R_HOC01A00	Hogue Creek	16.58 MILES	<p>Aquatic Life Use DELIST - Benthic Macroinvertebrates - VAV-B06R-02</p> <p>Hogue Creek was originally listed on the 303(d) list for violating the State's general standard for benthic communities during the 2002 assessment period. The overall benthic assessment was slightly impaired, but a moderate impairment was observed within the last two samples resulting in its listing as impaired. It remained listed as impaired for the 2004 cycle as only one additional survey was conducted. During the 2006 assessment period, the overall benthic assessment was slightly impaired, but the two most recent RBP II benthic surveys indicate an unimpaired status. Additionally, SCI (Stream Condition Index) scores of 70.83 and 62.37 indicated a fully supporting status. These scores are above the recommended cutoff of 61.3. Based on these data, Hogue Creek should be removed from the 303(d) list.</p> <p>The temperature impairment has been determined to be natural. By letter from the Virginia Department of Game &amp; Inland Fisheries, this stream is considered a warm water stream and should not be considered Class V - Stockable Trout. This segment becomes Category 4C - Impaired, but not needing a TMDL due to natural conditions for the 2006 cycle. These trout designations will be reviewed during the Virginia Triennial Review process to correct the designation.</p>
VAV-B12R_MDL01A00	Middle River	25.46 MILES	<p>Aquatic Life Use DELIST - Benthic Macroinvertebrates - VAV-B12R-02</p> <p>Middle River was identified on Attachment B of the 1999 Consent Decree and placed on Virginia's 2002 Section 303(d) list for an aquatic life use impairment due to an impacted benthic community. A de-listing package was forwarded to EPA and approved during the 2006 cycle.</p>
VAV-B16R_NTH03A00	North River	16.36 MILES	<p>Aquatic Life Use DELIST - Benthic Macroinvertebrates - VAV-B16R-01</p> <p>North River was identified on Attachment B of the 1999 Consent Decree and placed on Virginia's 2004 Section 303(d) list for aquatic life use impairment due to an impacted benthic community. A de-listing package was forwarded to EPA and approved during the 2006 cycle.</p>

# Waters Identified for Delisting Since 2004 Report

## Assessment

Unit ID	Waterbody Name	Size	Impairment Summary
<b>Potomac and Shenandoah River Basins</b>			
VAV-B18R_BVR01A00	Beaver Creek	2.55 MILES	<p>Aquatic Life Use PROACTIVE DELIST - Benthic Macroinvertebrates - VAV-B18R-04</p> <p>Beaver Creek was identified for inclusion on Virginia's 1998 Section 303(d) list by EPA due to an impaired benthic community. The stream was incorrectly identified as Buffalo Creek on the Consent Decree although the segment identification number was correct. A de-listing package was forwarded to EPA and approved during the 2006 cycle.</p> <p>The temperature impairment has been determined to be natural. By letter from the Virginia Department of Game &amp; Inland Fisheries, this stream above its confluence of the Beaver Creek spring branch is considered a warm water stream and should not be considered Class V - Stockable Trout. This segment becomes Category 4C - Impaired, but not needing a TMDL due to natural conditions for the 2006 cycle. These trout designations will be reviewed during the Virginia Triennial Review process to correct the designation.</p>
VAV-B37R_CUB01A00	Cub Run	9.64 MILES	<p>Aquatic Life Use DELIST - Temperature - VAV-B37R-01</p> <p>Cub Run was originally listed on the 303(d) list for violating the State's temperature standard for natural trout waters (20°C) during the 2004 assessment period. During the 2004 assessment period, 6 out of 46 samples (13%) exceeded the State's water quality standard for temperature. During the 2006 assessment period, only 1 out of 30 samples (3%) violated the temperature standard. Based on this improvement in water quality below a 10.5% violation rate, Cub Run should be removed from the 303(d) list.</p>

# Waters Identified for Delisting Since 2004 Report

Assessment Unit ID	Waterbody Name	Size	Impairment Summary
<b>Potomac and Shenandoah River Basins</b>			
VAV-B49R_STY01A00	Stony Creek	4.21 MILES	<p>Aquatic Life Use DELIST - Temperature - VAV-B49R-01</p> <p>Stony Creek was originally listed on the 303(d) list for violating the State's temperature standard for stockable trout waters (21°C) during the 2002 assessment period. This impairment was located at 1BSTY001.22 and was assigned to an existing TMDL ID VAV-B49R-01. A second listing station 1BSTY005.85 violated the State's temperature standard for stockable waters (21°C) during the 2002 assessment period. This impairment was assigned to TMDL ID VAV-B49R-02.</p> <p>During the 2004 assessment period, 5 out of 42 (12%) exceeded the State's water quality standard for temperature at 1BSTY001.22. During the 2006 assessment period, only 2 out of 39 (5%) samples violated the temperature standard at 1BSTY001.22.</p> <p>During the 2004 assessment period, 7 out of 42 (17%) exceeded the State's water quality standard for temperature at 1BSTY005.85. During the 2006 assessment period only 1 of 13 (5.5%) samples violated the temperature standard at 1BSTY005.85.</p> <p>Data from an additional monitoring station along this segment indicate improving water quality for temperature. In the 2006 assessment window, 1BSTY013.85 only 1 of 13 (8%) samples violated the temperature standard.</p> <p>Based on the improvement in water quality below a 10.5% violation rate, Stony Creek should be removed from the 303(d) list.</p>

# Waters Identified for Delisting Since 2004 Report

Assessment Unit ID	Waterbody Name	Size	Impairment Summary
<b>Potomac and Shenandoah River Basins</b>			
VAV-B49R_STY02A00	Stony Creek	1.55 MILES	<p>Aquatic Life Use DELIST - Temperature - VAV-B49R-02</p> <p>Stony Creek was originally listed on the 303(d) list for violating the State's temperature standard for stockable trout waters (21°C) during the 2002 assessment period. This impairment was located at 1BSTY001.22 and was assigned to an existing TMDL ID VAV-B49R-01. A second listing station 1BSTY005.85 violated the State's temperature standard for stockable waters (21°C) during the 2002 assessment period. This impairment was assigned to TMDL ID VAV-B49R-02.</p> <p>During the 2004 assessment period, 5 out of 42 (12%) exceeded the State's water quality standard for temperature at 1BSTY001.22. During the 2006 assessment period, only 2 out of 39 (5%) samples violated the temperature standard at 1BSTY001.22.</p> <p>During the 2004 assessment period, 7 out of 42 (17%) exceeded the State's water quality standard for temperature at 1BSTY005.85. During the 2006 assessment period only 1 of 18 (5.5%) samples violated the temperature standard at 1BSTY005.85.</p> <p>Data from an additional monitoring station along this segment indicate improving water quality for temperature. In the 2006 assessment window, 1BSTY013.85 only 1 of 13 (8%) samples violated the temperature standard.</p> <p>Based on the improvement in water quality below a 10.5% violation rate, Stony Creek should be removed from the 303(d) list.</p>

# Waters Identified for Delisting Since 2004 Report

<i>Assessment Unit ID</i>	<i>Waterbody Name</i>	<i>Size</i>	<i>Impairment Summary</i>
<b><i>Potomac and Shenandoah River Basins</i></b>			
VAV-B49R_STY03A00	Stony Creek	4.33 MILES	<p>Aquatic Life Use DELIST - Temperature - VAV-B49R-02</p> <p>Stony Creek was originally listed on the 303(d) list for violating the State's temperature standard for stockable trout waters (21°C) during the 2002 assessment period. This impairment was located at 1BSTY001.22 and was assigned to an existing TMDL ID VAV-B49R-01. A second listing station 1BSTY005.85 violated the State's temperature standard for stockable waters (21°C) during the 2002 assessment period. This impairment was assigned to TMDL ID VAV-B49R-02.</p> <p>During the 2004 assessment period, 5 out of 42 (12%) exceeded the State's water quality standard for temperature at 1BSTY001.22. During the 2006 assessment period, only 2 out of 39 (5%) samples violated the temperature standard at 1BSTY001.22.</p> <p>During the 2004 assessment period, 7 out of 42 (17%) exceeded the State's water quality standard for temperature at 1BSTY005.85. During the 2006 assessment period only 1 of 13 (7.7%) samples violated the temperature standard at 1BSTY005.85.</p> <p>Data from an additional monitoring station along this segment indicate improving water quality for temperature. In the 2006 assessment window, 1BSTY013.85 only 1 of 13 (8%) samples violated the temperature standard.</p> <p>Based on the improvement in water quality below a 10.5% violation rate, Stony Creek should be removed from the 303(d) list.</p>

# Waters Identified for Delisting Since 2004 Report

<i>Assessment Unit ID</i>	<i>Waterbody Name</i>	<i>Size</i>	<i>Impairment Summary</i>
<b><i>Potomac and Shenandoah River Basins</i></b>			
VAV-B49R_STY04A04	Stony Creek	6.94 MILES	<p>Aquatic Life Use DELIST - Temperature - VAV-B49R-02</p> <p>Stony Creek was originally listed on the 303(d) list for violating the State's temperature standard for stockable trout waters (21°C) during the 2002 assessment period. This impairment was located at 1BSTY001.22 and was assigned to an existing TMDL ID VAV-B49R-01. A second listing station 1BSTY005.85 violated the State's temperature standard for stockable waters (21°C) during the 2002 assessment period. This impairment was assigned to TMDL ID VAV-B49R-02.</p> <p>During the 2004 assessment period, 5 out of 42 (12%) exceeded the State's water quality standard for temperature at 1BSTY001.22. During the 2006 assessment period, only 2 out of 39 (5%) samples violated the temperature standard at 1BSTY001.22.</p> <p>During the 2004 assessment period, 7 out of 42 (17%) exceeded the State's water quality standard for temperature at 1BSTY005.85. During the 2006 assessment period only 1 of 13 (5.5%) samples violated the temperature standard at 1BSTY005.85.</p> <p>Data from an additional monitoring station along this segment indicate improving water quality for temperature. In the 2006 assessment window, 1BSTY013.85 only 1 of 13 (8%) samples violated the temperature standard.</p> <p>Based on the improvement in water quality below a 10.5% violation rate, Stony Creek should be removed from the 303(d) list.</p>

# Waters Identified for Delisting Since 2004 Report

Assessment Unit ID	Waterbody Name	Size	Impairment Summary
<b>Potomac and Shenandoah River Basins</b>			
VAV-B50R_NFS02A00	North Fork Shenandoah River	11.44 MILES	<p>Recreation Use DELIST - Bacteria - VAV-B45R-04.</p> <p>The North Fork Shenandoah River from Turley Creek downstream to Pugh's Run was originally listed on the 303(d) list for violating the State's water quality standard for fecal coliform during the 2004 assessment period. This impairment spans three watersheds (VAV-B45R, VAV-B48R and VAV-B50R) and totals 52.25 miles. During the 2004 assessment period stations assessed were 1BNFS090.16, 1BNFS081.42 (located in VAV-B45R), 1BNFS070.67 (located in VAV-B48R) and 1BNFS054.75 (located in VAV-B50R). All of these monitoring sites indicated violations of the fecal coliform standard above the 10.5% threshold. Data from monitoring station 1BNFS054.75 (VAV-B50R) during the 2004 assessment period showed 7 out of 41 samples (17%) exceeded the State's water quality standard for fecal coliform. During the 2006 assessment period, 1 out of 17 fecal coliform samples (6%) exceeded the State's water quality standard, while 1 of 3 (in the 2006 data window) and 1 of 6 (period of record) e-coli samples exceeded the State's water quality standard. The e-coli violation in September of 2004 is believed to be the result of Hurricane Isabel's rainfall when the storm passed through the area on September 19, 2004. Sampling since then has indicated fully supporting status.</p> <p>Based on the improvement in water quality below a 10.5% violation rate for fecal coliform, the section (VAV-B50R 22.17 miles) of the North Fork Shenandoah River should be removed from the 303(d) list. The impaired segment located in watersheds VAV-B45R and VAV-B48R is 30.08 miles and is from the North Fork Shenandoah River's confluence with Turley Creek downstream to its confluence with Stony Creek.</p>

# Waters Identified for Delisting Since 2004 Report

Assessment Unit ID	Waterbody Name	Size	Impairment Summary
<b>Potomac and Shenandoah River Basins</b>			
VAV-B50R_NFS03A00	North Fork Shenandoah River	4.95 MILES	<p>Recreation Use DELIST - Bacteria - VAV-B45R-04.</p> <p>The North Fork Shenandoah River from Turley Creek downstream to Pugh's Run was originally listed on the 303(d) list for violating the State's water quality standard for fecal coliform during the 2004 assessment period. This impairment spans three watersheds (VAV-B45R, VAV-B48R and VAV-B50R) and totals 52.25 miles. During the 2004 assessment period stations assessed were 1BNFS090.16, 1BNFS081.42 (located in VAV-B45R), 1BNFS070.67 (located in VAV-B48R) and 1BNFS054.75 (located in VAV-B50R). All of these monitoring sites indicated violations of the fecal coliform standard above the 10.5% threshold. Data from monitoring station 1BNFS054.75 (VAV-B50R) during the 2004 assessment period showed 7 out of 41 samples (17%) exceeded the State's water quality standard for fecal coliform. During the 2006 assessment period, 1 out of 17 fecal coliform samples (6%) exceeded the State's water quality standard, while 1 of 3 (in the 2006 data window) and 1 of 6 (period of record) e-coli samples exceeded the State's water quality standard. The e-coli violation in September of 2004 is believed to be the result of Hurricane Isabel's rainfall when the storm passed through the area on September 19, 2004. Sampling since then has indicated fully supporting status.</p> <p>Based on the improvement in water quality below a 10.5% violation rate for fecal coliform, the section (VAV-B50R 22.17 miles) of the North Fork Shenandoah River should be removed from the 303(d) list. The impaired segment located in watersheds VAV-B45R and VAV-B48R is 30.08 miles and is from the North Fork Shenandoah River's confluence with Turley Creek downstream to its confluence with Stony Creek.</p>

# Waters Identified for Delisting Since 2004 Report

## Assessment

Unit ID	Waterbody Name	Size	Impairment Summary
<b>Potomac and Shenandoah River Basins</b>			
VAV-B50R_NFS04A00	North Fork Shenandoah River	4.18 MILES	<p>Recreation Use DELIST - Bacteria - VAV-B45R-04.</p> <p>The North Fork Shenandoah River from Turley Creek downstream to Pugh's Run was originally listed on the 303(d) list for violating the State's water quality standard for fecal coliform during the 2004 assessment period. This impairment spans three watersheds (VAV-B45R, VAV-B48R and VAV-B50R) and totals 52.25 miles. During the 2004 assessment period stations assessed were 1BNFS090.16, 1BNFS081.42 (located in VAV-B45R), 1BNFS070.67 (located in VAV-B48R) and 1BNFS054.75 (located in VAV-B50R). All of these monitoring sites indicated violations of the fecal coliform standard above the 10.5% threshold. Data from monitoring station 1BNFS054.75 (VAV-B50R) during the 2004 assessment period showed 7 out of 41 samples (17%) exceeded the State's water quality standard for fecal coliform. During the 2006 assessment period, 1 out of 17 fecal coliform samples (6%) exceeded the State's water quality standard, while 1 of 3 (in the 2006 data window) and 1 of 6 (period of record) e-coli samples exceeded the State's water quality standard. The e-coli violation in September of 2004 is believed to be the result of Hurricane Isabel's rainfall when the storm passed through the area on September 19, 2004. Sampling since then has indicated fully supporting status.</p> <p>Based on the improvement in water quality below a 10.5% violation rate for fecal coliform, the section (VAV-B50R 22.17 miles) of the North Fork Shenandoah River should be removed from the 303(d) list. The impaired segment located in watersheds VAV-B45R and VAV-B48R is 30.08 miles and is from the North Fork Shenandoah River's confluence with Turley Creek downstream to its confluence with Stony Creek.</p>
VAV-B52R_CDR02A00	Cedar Creek	8.95 MILES	<p>Aquatic Life Use DELIST - Temperature - VAV-B52R-01</p> <p>Cedar Creek was identified on Attachment A, Part 2 of the 1998 Consent Decree and placed on Virginia's Section 303(d) list for aquatic life use impairment due to violations of the State's water quality standard for temperature. A de-listing package was forwarded to EPA and approved during the 2006 cycle.</p>

# Waters Identified for Delisting Since 2004 Report

<i>Assessment Unit ID</i>	<i>Waterbody Name</i>	<i>Size</i>	<i>Impairment Summary</i>
<b><i>Potomac and Shenandoah River Basins</i></b>			
VAV-B52R_CDR03A00	Cedar Creek	7.45 MILES	<p>Aquatic Life Use DELIST - Temperature - VAV-B52R-01</p> <p>Cedar Creek was identified on Attachment A, Part 2 of the 1998 Consent Decree and placed on Virginia's Section 303(d) list for aquatic life use impairment due to violations of the State's water quality standard for temperature. A de-listing package was forwarded to EPA and approved during the 2006 cycle.</p>
VAV-B52R_CDR04A02	Cedar Creek	2.53 MILES	<p>Aquatic Life Use DELIST - Temperature - VAV-B52R-01</p> <p>Cedar Creek was identified on Attachment A, Part 2 of the 1998 Consent Decree and placed on Virginia's Section 303(d) list for aquatic life use impairment due to violations of the State's water quality standard for temperature. A de-listing package was forwarded to EPA and approved during the 2006 cycle.</p>
VAN-A09R_BRB01A00	Broad Run	2.88 MILES	<p>Recreation Use DELIST - Fecal Coliform - VAN-A09R-01</p> <p>For the 2006 assessment, the fecal coliform bacteria parameter is shown to be supporting for the recreation use and should be removed from the 303(d) list of waters. Segment was first listed for a fecal coliform impairment in 2004.</p> <p>The segment that was not supporting fecal coliform bacteria in 2004 is now supporting for fecal coliform bacteria. The sampling results for the 2006 assessment cycle showed two of 26 samples (7.7%) not meeting the fecal coliform bacteria water quality standard. Additionally, one of 12 samples (8.3%) was not meeting the E.coli bacteria water quality standard. Since twelve E.coli sampling events have occurred at this location, the fecal coliform standard is no longer applicable.</p>

# Waters Identified for Delisting Since 2004 Report

*Assessment*  
*Unit ID*

*Waterbody Name*

*Size*

*Impairment Summary*

## ***Potomac and Shenandoah River Basins***

VAN-A15E_POH02A00	Pohick Bay	0.61 SQUARE MILES	<p>Aquatic Life Use DELIST - Ammonia - VAN-A15E-01</p> <p>For the 2006 assessment, the ammonia parameter is shown to be supporting for the aquatic life and wildlife uses and should be removed from the 303(d) list of waters. Segment was first listed for an ammonia impairment in 2002.</p> <p>The segment that was not supporting ammonia in 2004 is now supporting for ammonia. The sampling results for the 2006 assessment cycle showed zero of 12 samples (0.0%) not meeting the ammonia water quality standard.</p> <p>Wildlife Use</p>
VAN-A16E_POH01A06	Pohick Bay	0.29 SQUARE MILES	<p>Aquatic Life Use DELIST - Ammonia - VAN-A15E-01</p> <p>For the 2006 assessment, the ammonia parameter is shown to be supporting for the aquatic life and wildlife uses and should be removed from the 303(d) list of waters. Segment was first listed for an ammonia impairment in 2002. At that time, segment was included as part of segment VAN-A15E_POH02A00.</p> <p>The segment that was not supporting ammonia in 2004 is now supporting for ammonia. The sampling results for the 2006 assessment cycle showed zero of 12 samples (0.0%) not meeting the ammonia water quality standard.</p> <p>Wildlife Use</p>

# ***Waters Identified for Delisting Since 2004 Report***

<i><b>Assessment Unit ID</b></i>	<i><b>Waterbody Name</b></i>	<i><b>Size</b></i>	<i><b>Impairment Summary</b></i>
<i><b>Potomac and Shenandoah River Basins</b></i>			
VAN-A21R_LII02A02	Little Bull Run	3.03 MILES	<p>Recreation Use DELIST - Fecal Coliform - VAN-A21R-01</p> <p>For the 2006 assessment, the fecal coliform bacteria parameter is shown to be supporting for the recreation use and should be removed from the 303(d) list of waters. Segment was first listed for a fecal coliform impairment in 2004.</p> <p>The segment that was not supporting fecal coliform bacteria in 2004 is now supporting for fecal coliform bacteria. The sampling results for the 2006 assessment cycle showed one of twelve samples (8.3%) not meeting the fecal coliform bacteria water quality standard.</p>
VAN-A26E_CHO02A00	Chopawamsic Creek	0.12 SQUARE MILES	<p>Aquatic Life Use DELIST - pH - VAN-A26E-02</p> <p>For the 2006 assessment, the pH parameter is shown to be supporting for the aquatic life use and should be removed from the 303(d) list of waters. Segment was first listed for a pH impairment in 2002.</p> <p>The segment that was not supporting pH in 2004 is now supporting for pH. The sampling results for the 2006 assessment cycle showed one of eighteen samples (5.6%) not meeting the pH water quality standard.</p>

# Waters Identified for Delisting Since 2004 Report

<i>Assessment Unit ID</i>	<i>Waterbody Name</i>	<i>Size</i>	<i>Impairment Summary</i>
<b>James River Basin</b>			
VAW-I04R_JKS01A00	Jackson River Lower 1	0.47 MILES	<p>Recreation Use DELIST - Fecal Coliform/Escherichia coli - VAW-I04R-01.</p> <p>This AU delisted October 2005 and approved by the US EPA (Fed. ID - NA). One exceedance from 24 observations are found for Escherichia coli (E. coli) in excess of the 23 cfu/100 ml instantaneous criterion; these waters were formerly 1998 303(d) listed for fecal coliform bacteria. The AU remains impaired for General Standard Benthic and dissolved oxygen.</p>
VAW-I04R_JKS02A00	Jackson River Middle 1	1.24 MILES	<p>Recreation Use DELIST - Fecal Coliform/Escherichia coli - VAW-I04R-01.</p> <p>This AU delisted October 2005 and US EPA approved (Fed. ID - NA). One exceedance from 24 observations are found for Escherichia coli (E. coli) in excess of the 235 cfu/100 ml instantaneous criterion; these waters were formerly 1998 303(d) listed for fecal coliform bacteria. The AU remains impaired for General Standard Benthic and dissolved oxygen.</p>
VAW-I09R_JKS06A00	Jackson River Upper 2	1.67 MILES	<p>Recreation Use DELIST - Fecal Coliform/Escherichia coli - VAW-I04R-01.</p> <p>This AU delisted October 2005 and approved by the US EPA (Fed. ID - NA) based on the data provided herein. One exceedance from 24 observations are found for Escherichia coli (E. coli) in excess of the 235 cfu/100 ml instantaneous criterion; these waters were formerly 1998 303(d) listed for fecal coliform bacteria. The AU remains impaired for General Standard Benthic and dissolved oxygen.</p>
VAV-I28R_ELK01A00	Elk Creek	3.78 MILES	<p>Aquatic Life Use DELIST - Temperature - VAV-I28R-02</p> <p>Elk Creek was identified in Attachment B of the 1999 Consent Decree and placed on Virginia's 2002 Section 303(d) list for an aquatic life use impairment due to violations of the temperature water quality standard. This assessment unit was fully supporting the temperature standard in the 2004 cycle, but the delist package was not submitted in time for inclusion in the 2004 305b/303d Integrated Report. A de-listing package was forwarded to EPA in June of 2005 and approved during the 2006 cycle.</p>

# ***Waters Identified for Delisting Since 2004 Report***

## ***Assessment***

<i><b>Unit ID</b></i>	<i><b>Waterbody Name</b></i>	<i><b>Size</b></i>	<i><b>Impairment Summary</b></i>
<i><b>James River Basin</b></i>			
VAV-I29R_CFP01A00	Calfpasture River	4.00 MILES	<p>Aquatic Life Use DELIST - pH - VAV-I29R-01</p> <p>The Calfpasture River was incorrectly listed on the 303(d) list for violating the State's water quality standard for pH during the 2004 assessment period. This stream was incorrectly assessed using Special Standard (6.5 - 9.5) due to the presence of limestone. According to 9 VAC 25-260-430 the Calfpasture River is designated as having the statewide pH standard (6 - 9). The monitoring station used to assess the Calfpasture River was 2- CFP029.18 which is within this designation. Therefore, data from this monitoring station should have been assessed against the pH criteria of 6 - 9. In the 2004 assessment 4 out of 9 samples (44%) exceeded the 6.5 - 9.5 pH standard, however, 1 out of 9 samples violated the correct 6 - 9 standard. During the 2006 assessment period 1 out of 14 samples (7%) violated the 6 - 9 standard. Based on these data, and the description of the error made in assigning the pH special standard, the Calfpasture River should be removed from the 303(d) list.</p>
VAV-I36R_SMR02A02	Saint Mary's River	5.34 MILES	<p>Aquatic Life Use DELIST - Benthic Macroinvertebrates - VAV-I36R-01</p> <p>The St. Mary's River was originally listed on the 303(d) list for violating the State's water quality general standard for benthic communities in 1998. This water was a Consent Decree water listing. The stream was listed as impaired due to a moderately impaired benthic status at 2-SMR001.52. The original impaired segment was from the headwaters (river mile 7.32) downstream to its confluence with South River (river mile 0.00). During the 2002 assessment period, the segment carried the impaired status due to a severely impaired benthic community at USFS station 5095. At this time, the lower section (river mile 5.26 - 0.00) was no longer considered impaired, but a delist package was not submitted. The impairment remained on the upper section (river mile 7.32 - 5.26). During the 2004 assessment period, this impairment status was carried forward. Data assessed during the 2006 assessment period indicate the benthic community on the St. Mary's River has improved. RPBII benthic survey indicate an unimpaired or slightly impaired status. However, SCI (Stream Condition Index) scores of 73.21 and 66.67 indicate an unimpaired benthic community. These scores are well above the recommended cut off of 61.3. These data support delisting the entire stream reach, even though the lower segment was not considered impaired in the previous assessment cycle.</p>

# ***Waters Identified for Delisting Since 2004 Report***

<i><b>Assessment Unit ID</b></i>	<i><b>Waterbody Name</b></i>	<i><b>Size</b></i>	<i><b>Impairment Summary</b></i>
<i><b>James River Basin</b></i>			
VAV-H10R_PNY02A00	Piney River	1.55 MILES	<p>Recreation Use DELIST - Bacteria - VAV-H10R-01</p> <p>Piney River was identified on Attachment B of the 1999 Consent Decree and placed on Virginia's 2002 Section 303(d) list for failing to attain the primary contact usage due to violations of the applicable bacteria criteria. A de-listing package was forwarded to EPA and approved during the 2006 cycle.</p>
VAV-H10R_PNY03A04	Piney River	9.55 MILES	<p>Recreation Use DELIST - Bacteria - VAV-H10R-01</p> <p>Piney River was identified on Attachment B of the 1999 Consent Decree and placed on Virginia's 2002 Section 303(d) list for failing to attain the primary contact usage due to violations of the applicable bacteria criteria. A de-listing package was forwarded to EPA and approved during the 2006 cycle.</p>
VAC-H12R_BUF01A00	Buffalo River	2.33 MILES	<p>Aquatic Life Use PROACTIVE DELIST - Benthic Macroinvertebrates - VAC-H12R-03</p> <p>Segment was not supporting the Aquatic Life Use beginning with the 1998 assessment cycle due to a poor benthic community. It was determined that the biological reference station used during sampling events was inappropriate based on location and size. Additional data was collected outside the 2006 data window to support the delisting decision. The EPA approval letter for delisting was dated April 10, 2006.</p>
VAV-H17R_LTD01A02	Little Georgia Creek	6.03 MILES	<p>Recreation Use DELIST - Bacteria - VAV-H17R-02</p> <p>Little Georgia Creek was originally listed as a Plaintiff's Water in Attachment B of the 1998 Consent Decree and subsequently added to Virginia's 303(d) list in 2002 due to violations of the State's bacteria standard. A de-listing package was forwarded to EPA and approved during the 2006 cycle.</p>

# ***Waters Identified for Delisting Since 2004 Report***

<i><b>Assessment Unit ID</b></i>	<i><b>Waterbody Name</b></i>	<i><b>Size</b></i>	<i><b>Impairment Summary</b></i>
<i><b>James River Basin</b></i>			
VAC-H21R_AUS01A00	Austin Creek	6.14 MILES	<p>Aquatic Life Use DELIST - pH - VAC-H21R-01</p> <p>The segment that was not supporting the Aquatic Life Use due to pH violations (3/9) in 2002 is now showing a fully supporting status with a 0/7 Violation Rate for 2006.</p>
VAC-H21R_FRY01A00	Fisby Branch	1.34 MILES	<p>Aquatic Life Use DELIST - pH - VAC-H21R-02</p> <p>The 1.34 mile portion of the segment that was not supporting the Aquatic Life Use due to pH violations (2/9) in 2004 is now showing fully supporting status for the 2006 cycle with a 0/5 violation rate.</p>
VAV-H27R_RRN01A00	Rivanna River North Fork	10.38 MILES	<p>Aquatic Life Use PROACTIVE DELIST - Benthic Macroinvertebrates - VAV-H27R-01</p> <p>The North Fork Rivanna River was identified on Attachment A, Part 1 of the 1998 Consent Decree and placed on Virginia's Section 303(d) list for aquatic life use impairment due to violations of the State's general standard for benthic communities. A de-listing package was forwarded to EPA and approved during the 2006 cycle.</p>
VAV-H29R_RVN01A00	Rivanna River	1.68 MILES	<p>Recreation Use DELIST - Bacteria - VAV-H29R-01</p> <p>The Rivanna River was originally listed on the 303(d) list for violating the State's water quality standard for fecal coliform during the 2004 assessment period. During the 2004 assessment period, 6 out of 51 samples (12%) exceeded the State's water quality standard for fecal coliform. During the 2006 assessment period, 3 of 30 samples (10%) violated the bacteria standard. Based on this improvement in water quality below a 10.5% violation rate, the Rivanna River should be removed from the 303(d) list.</p>

# ***Waters Identified for Delisting Since 2004 Report***

<i><b>Assessment Unit ID</b></i>	<i><b>Waterbody Name</b></i>	<i><b>Size</b></i>	<i><b>Impairment Summary</b></i>
<i><b>James River Basin</b></i>			
VAV-H29R_RVN02A00	Rivanna River	2.70 MILES	<p>Recreation Use DELIST - Bacteria - VAV-H29R-01</p> <p>The Rivanna River was originally listed on the 303(d) list for violating the State's water quality standard for fecal coliform during the 2004 assessment period. During the 2004 assessment period, 6 out of 51 samples (12%) exceeded the State's water quality standard for fecal coliform. During the 2006 assessment period, 3 of 30 samples (10%) violated the bacteria standard. Based on this improvement in water quality below a 10.5% violation rate, the Rivanna River should be removed from the 303(d) list.</p>
VAV-H29R_RVN03A00	Rivanna River	2.53 MILES	<p>Recreation Use DELIST - Bacteria - VAV-H29R-01</p> <p>The Rivanna River was originally listed on the 303(d) list for violating the State's water quality standard for fecal coliform during the 2004 assessment period. During the 2004 assessment period, 6 out of 51 samples (12%) exceeded the State's water quality standard for fecal coliform. During the 2006 assessment period, 3 of 30 samples (10%) violated the bacteria standard. Based on this improvement in water quality below a 10.5% violation rate, the Rivanna River should be removed from the 303(d) list.</p>
VAV-H29R_RVN04A00	Rivanna River	5.88 MILES	<p>Recreation Use DELIST - Bacteria - VAV-H29R-01</p> <p>The Rivanna River was originally listed on the 303(d) list for violating the State's water quality standard for fecal coliform during the 2004 assessment period. During the 2004 assessment period, 6 out of 51 samples (12%) exceeded the State's water quality standard for fecal coliform. During the 2006 assessment period, 3 of 30 samples (10%) violated the bacteria standard. Based on this improvement in water quality below a 10.5% violation rate, the Rivanna River should be removed from the 303(d) list.</p>

# Waters Identified for Delisting Since 2004 Report

<i>Assessment Unit ID</i>	<i>Waterbody Name</i>	<i>Size</i>	<i>Impairment Summary</i>
<b>James River Basin</b>			
VAP-H33R_DCR01A98	Deep Creek	11.41 MILES	<p>Aquatic Life Use DELIST - Dissolved Oxygen - VAP-H33R-02 (00372)</p> <p>Deep Creek was initially assessed as not supporting for Aquatic Life use support based on dissolved oxygen violations at 2-DCR003.00 in 1994, along with DO violations at three 1994 special study stations along Deep Creek (2-DCR013.89, 2-DCR012.54, 2-DCR008.85.). This segment was shortened in 2002 to end at the Route 684 bridge (11.2 miles) because a downstream dam provides reaeration. During the 2004 cycle, 2-DCR003.00 had acceptable dissolved oxygen (1/22), and monitoring was discontinued in 2001.</p> <p>During the 2006 cycle, the segment should be delisted because the DO violation rate was acceptable at the following stations:</p> <p>0/10 at 2-DCR003.00 (2000-2001) 1/20 at 2-DCR007.93 1/9 at 2-DCR013.89</p>
VAC-H35R_WLS02A04	Willis River	9.92 MILES	<p>Recreation Use DELIST - Total Fecal Coliform - VAC-H36R-01</p> <p>The segment was not supporting the recreation use in 2004 and is now supporting for the 2006 cycle. A violation rate of 2/20 for total fecal coliform was observed for the 2006 cycle.</p>
VAC-H36R_WLS02A06	Willis River	8.11 MILES	<p>Recreation Use DELIST - Fecal Coliform - VAC-H36R-01</p> <p>This segment is a portion of the larger Fecal Coliform impairment originally listed in 1996. This segment shows fully supporting status for the 2006 cycle with a 1/12 violation rate.</p>
VAP-H39R_DPR01A00	Deep Run	4.49 MILES	<p>Aquatic Life Use DELIST - Dissolved Oxygen - VAP-H39R-02</p> <p>The Tuckahoe Creek Natural Conditions Assessment report was completed in November 2005. The report recommends delisting Deep Run b/c of an acceptable dissolved oxygen rate once values below 7Q10 are removed (0/12 and 0/29 at 2-DPR004.38 and 2-DPR002.4 respectively.)</p>

# ***Waters Identified for Delisting Since 2004 Report***

<i><b>Assessment Unit ID</b></i>	<i><b>Waterbody Name</b></i>	<i><b>Size</b></i>	<i><b>Impairment Summary</b></i>
<i><b>James River Basin</b></i>			
VAP-H39R_DPR02A00	Deep Run	1.47 MILES	<p>Aquatic Life Use DELIST- Dissolved Oxygen - VAP-H39R-02</p> <p>The Tuckahoe Creek Natural Conditions Assessment report was completed in November 2005. The report recommends delisting Deep Run b/c of an acceptable dissolved oxygen rate once values below 7Q10 are removed (0/12 at 2-DPR001.00 ).</p>
VAP-H39R_JMS01A98	James River	10.06 MILES	<p>Recreation Use DELIST - Fecal Coliform - VAP-H39R-11 (01173)</p> <p>During the 2004 cycle, the James River was assessed not supporting of the Recreation Use based on a fecal coliform violation rate of 6/46 at 2-JMS117.35 (Route 147/Huguenot Road bridge). However, during the 2006 cycle, the WQS for bacteria transferred to e. Coli. The e Coli violation rate was acceptable (1/12), therefore the segment should be delisted.</p>
VAP-H39R_JMS02B04	James River	4.34 MILES	<p>Aquatic Life Use DELIST - pH - VAP-H39R-12 (01186)</p> <p>The James River was assessed not supporting of the Aquatic Life Use support goal in 2004 because of pH violations at station 2-JMS127.50, which is located at Watkins Landing at the end of Route 652. During the 2006 cycle, the violation rate was 0/20, therefore the segmen should be delisted.</p>
VAP-H39R_LIY01A00	Little Tuckahoe Creek	5.64 MILES	<p>Aquatic Life Use DELIST - Dissolved Oxygen - VAP-H39R-02</p> <p>The Tuckahoe Creek Natural Conditions Assessment report was completed in November 2005. Little Tuckahoe Creek was considered fully supporting for Aquatic Life Use and recommended for delisting.</p> <p>Public Water Supply Use DELIST - Sulfates - VAP-H39R-02</p> <p>The Virginia Water Quality Standards have been revised and the Human Health Criteria in Public Water Supply criteria only apply at the intake. Therefore the segment should be delisted for sulfates based on monitoring at 2-LIY001.73.</p>

# ***Waters Identified for Delisting Since 2004 Report***

<i><b>Assessment Unit ID</b></i>	<i><b>Waterbody Name</b></i>	<i><b>Size</b></i>	<i><b>Impairment Summary</b></i>
<i><b>James River Basin</b></i>			
VAP-H39R_TKO01A98	Tuckahoe Creek	7.48 MILES	<p>Aquatic Life Use DELIST - Dissolved Oxygen - VAP-H39R-02</p> <p>The dissolved oxygen violation rates within the segment were acceptable during the 2006 cycle:</p> <p>1/20 at 2-TKO010.24 0/27 at 2-TKO010.64 0/12 at 2-TKD012.45</p>
VAP-H39R_TKO03A98	Tuckahoe Creek	8.73 MILES	<p>Aquatic Life Use DELIST - pH - VAP-H39R-02</p> <p>During the 2004 cycle, Tuckahoe Creek from the Route 6 bridge to the mouth was considered impaired of the Aquatic Life Use due to pH violations. During the 2006 cycle, the pH violation rates at 2-TKO000.81, 2-TKO003.42, and 2-TKO004.69 were acceptable, therefore the segment should be delisted.</p> <p>Public Water Supply Use DELIST - Sulfates - VAP-H39R-02</p> <p>The Virginia Water Quality Standards have been revised and the Human Health Criteria in Public Water Supply criteria only apply at the intake. Therefore the segment should be delisted for sulfates.</p>
VAP-G01R_PSK01A04	Pocoshock Creek	8.33 MILES	<p>Aquatic Life Use DELIST - Dissolved Oxygen - VAP-G01R-07 (01136)</p> <p>In 2004, Pocoshock Creek was assessed as not supporting the Aquatic Life Use based on a dissolved oxygen violation rate of 2/9 at 2-PSK000.23. During the 2006 cycle, the DO violation rate was acceptable (2/21), therefore the segment should be delisted.</p>

# Waters Identified for Delisting Since 2004 Report

<i>Assessment Unit ID</i>	<i>Waterbody Name</i>	<i>Size</i>	<i>Impairment Summary</i>
<b>James River Basin</b>			
VAP-G06R_CHK01A98	Chickahominy River	8.23 MILES	<p>Recreation Use DELIST - Fecal Coliform - VAP-G06R-01 (01157)</p> <p>The Chickahominy River was initially considered fully supporting but threatened of the Recreation Use in the 1998 cycle. During the year 2002, the segment was downgraded to impaired. In the 2006 cycle, the fecal coliform violation rates were 3/36 at 2-CHK062.57 (Route 60) and 1/27 at 2-CHK055.04 (Route 156) and the E. coli violation rate was 0/9 at 2-CHK062.57. Therefore the segment should be delisted.</p> <p>Aquatic Life Use DELIST PARTIAL - pH - VAP-G06R-01N (00448)</p> <p>The Chickahominy River has been assessed as not supporting of the Aquatic Life use goal since 1996 based on dissolved oxygen and pH violations at the Route 360 bridge (2-CHK062.57) and at the Route 156 bridge (2-CHK055.04). During the year 2006 cycle, the pH violation rates were acceptable (1/37, 2/37), therefore the segment should be delisted for pH.</p>
VAP-G07R_CHK01A00	Chickahominy River	11.54 MILES	<p>Recreation Use DELIST - Fecal Coliform - VAP-G07R-03 (01162)</p> <p>The segment was assessed as impaired of the Recreation Use goal in the 2004 cycle based on a fecal coliform violation rate of 6/40 at 2-CHK032.77 (Route 155). During the 2006 cycle the fecal coliform violation rate was 0/22 and the E. coli violation rate was 0/11, therefore the segment should be delisted.</p>
VAP-G08E_CHK01A00	Chickahominy River	1.37 SQUARE MILES	<p>Aquatic Life Use DELIST PARTIAL - pH - VAP-G08E-01</p> <p>The Chickahominy River was included on EPA's list of "Waters Identified to Virginia for Listing Consideration During Development of the Next List" in 1998. pH was listed as the parameter of concern. During the 2002 cycle, the segment from Walkers Dam to Diascund Creek was downgraded as impaired, therefore the TMDL was due in 2010. However, this cycle the pH violation rate was acceptable (2/38) at 2-CHK023.64, therefore the segment should be delisted for pH.</p>

# Waters Identified for Delisting Since 2004 Report

<i>Assessment Unit ID</i>	<i>Waterbody Name</i>	<i>Size</i>	<i>Impairment Summary</i>
<b>James River Basin</b>			
VAP-G08R_MCR01A04	Mill Creek	5.29 MILES	<p>Aquatic Life Use DELIST PARTIAL - pH - VAP-G08R-02 (01166)</p> <p>Mill Creek was initially assessed as not supporting of the Aquatic Life use support (ALUS) goal in 2004 based on pH and DO violations at the Route 603 bridge (2-MCR002.38). During the 2006 cycle, the pH violation rate was acceptable (2/21) and the segment should be delisted.</p>
VAP-G09R_DSC01A00	Diascund Creek	6.89 MILES	<p>Recreation Use DELIST - Fecal Coliform - VAP-G09R-02</p> <p>Diascund Creek was assessed in 2004 as not supporting of the Recreation Use based on a fecal coliform violation rate of 4/19 at the Route 628 bridge (2-DSC012.67). The segment was initially listed in 2002, therefore the fecal coliform TMDL was due in 2014. However, during the 2006 cycle, the fecal coliform violation rate fell to 0/7 and E. coli monitoring showed a violation rate of 1/8, therefore the segment should be delisted.</p> <p>Public Water Supply Use DELIST - Iron and Manganese - VAP-G09R-02</p> <p>During the 2004 cycle, Diascund Creek was considered impaired of the Public Water Supply use based on violations of the human health criteria for iron and manganese in public water supplies. The criteria are set to maintain acceptable taste, odor or aesthetic quality of drinking water. The TMDL was due in 2016. During the 2006 cycle, the WQS were revised and aesthetic parameters only apply at the drinking water intake. Therefore the segment should be delisted.</p>
VAT-G11E_JMS01A06	James River - Hog Point to Blunt Point	48.28 SQUARE MILES	<p>Shellfishing Use DELIST - VDH Shellfish Restriction - VAT-G11E-12</p> <p>Proposed for de-listing with the 2006 IR based on VDH-DSS change to an OPEN shellfish harvesting area. This assessment unit was identified in 2004 IR as portion of AU ID: VAT-G11E_JMS01E00. Was included as portion of DSS shellfish condemnation # 69. For 2006 IR classified by DSS as an OPEN shellfish harvesting condemnation # 057-069 [2003-04-15]</p>

# ***Waters Identified for Delisting Since 2004 Report***

<i><b>Assessment Unit ID</b></i>	<i><b>Waterbody Name</b></i>	<i><b>Size</b></i>	<i><b>Impairment Summary</b></i>
<i><b>James River Basin</b></i>			
VAT-G11E_MRS01A06	Morrisons Creek - Mulberry Island	0.14 SQUARE MILES	<p>Shellfishing Use DELIST - VDH Shellfish Restriction - VAT-G11E-13</p> <p>Proposed for de-listing with the 2006 IR based on VDH-DSS change to Administrative condemnation effective 2004-11-04. This has been changed to an open shellfish harvesting area. This assessment unit was identified in 2004 IR as AU ID: VAT-G11E_MRS01A00. Was included as portion of DSS shellfish condemnation # 183. For 2006 IR classified by DSS as an OPEN shellfish harvesting condemnation # 058-183 [2004-06-07].</p>
VAT-G11E_RIC01A06	Ragged Island Creek	0.29 SQUARE MILES	<p>Shellfishing Use DELIST - VDH Shellfish Restriction - VAT-G11E-19</p> <p>Proposed for de-listing with the 2006 IR based on VDH-DSS change to Open Harvest Area effective 2004-11-04. This has been changed to an open shellfish harvesting area. This assessment unit was identified in 2004 IR as AU ID: VAT-G11E_RIC01A04. Was included as portion of DSS shellfish condemnation # 80. For 2006 IR classified by DSS as an OPEN shellfish harvesting condemnation # 062-080 [effective 2003-07-31].</p>
VAT-G11E_WWK01A06	Warwick River - Tidal Portion	1.32 SQUARE MILES	<p>Recreation Use DELIST - Fecal Coliform - VAT-G11E-08</p> <p>The previous Fecal Coliform indicator bacteria impairment (VAT-G11E-08) no longer applies replaced by Enterococcus criteria support results since threshold of 12 observations reached. The Recreation Use is meeting the instantaneous criteria for Enterococcus bacteria. Enterococcus 5 yr Data Period 2006 Exceedance Ratio: 1/13 = 7.7 %).</p>
VAT-G11R_PGN01A04	Pagan River (and Wrenns Millpond)	1.98 MILES	<p>Recreation Use DELIST - Fecal Coliform - VAT-G11R-03</p> <p>The previous (2004 IR) Aquatic Life Use impairment is proposed for delisting in this 2006 IR cycle based on the replacement (achieved with accumulation of 12 observations of Ecoli bacteria) of the previous Fecal Coliform bacteria criteria impairment with Recreation Use support as determined by 2006 IR cycle monitoring data meeting the current Ecoli criteria.</p>

# ***Waters Identified for Delisting Since 2004 Report***

<i><b>Assessment Unit ID</b></i>	<i><b>Waterbody Name</b></i>	<i><b>Size</b></i>	<i><b>Impairment Summary</b></i>
<i><b>James River Basin</b></i>			
VAC-J06R_SYL02A06	Sayers Creek	4.25 MILES	<p>Recreation Use DELIST - E. coli - VAC-J06R-04</p> <p>This is a 4.25 mile partial delisting for E. coli from the original 1998 listed segment. The upstream station shows a fully supporting 1/12 violation rate.</p>
VAP-J12R_WPK01A98	Winterpock Creek	8.47 MILES	<p>Recreation Use DELIST - Fecal coliform - VAP-J12R-03, 01201</p> <p>VAP-J12R-03</p> <p>Delist this segment for bacteria for the 2006 cycle. The violation rate for fecal coliform was 1/17, and 0/7 for E. coli. at 2-WPK003.23. Though fecal coliform sampling ceased in 2002, additional monitoring for E. coli continued in 2003-2004 in which violation rate was acceptable.</p> <p>In 2006, the segment was shortened to include Winterpock Creek from rivermile 8.47 and its tributaries to the mouth.</p>
VAP-J16R_SFT01A00	Swift Creek	1.61 MILES	<p>Aquatic Life Use DELIST - pH - VAP-J16R-01, 00660</p> <p>In 2004, this segment was listed for pH violations, however low pH were attributed to natural conditions of the watershed and upstream swamps and low flow. The pH violations rate was acceptable for the 2006 cycle (3/31), therefore it should be delisted.</p>
VAT-G13E_NAN02A06	Nansemond River - Upper Middle	0.21 SQUARE MILES	<p>Recreation Use DELIST - Fecal Coliform - VAT-G13E-02</p> <p>The previous Recreation Use impairment (TMDL ID: VAT-G13E-02) is proposed for delisting in 2006 IR cycle. Data for Fecal Coliform bacteria collected at the DEQ (AQM) monitoring station @ 2-NAN013.50 indicates the previously violated DEQ maximum bacteria criteria is met per data collected during the 2006 IR cycle ( 1 violate / 14 observations = 7.1% violation rate).</p>

# Waters Identified for Delisting Since 2004 Report

<i>Assessment Unit ID</i>	<i>Waterbody Name</i>	<i>Size</i>	<i>Impairment Summary</i>
<b><i>Rappahannock River Basin</i></b>			
VAN-E05R_THO02A02	Thornton River	4.28 MILES	<p>Recreation Use DELIST - Fecal Coliform - VAN-E05R-02</p> <p>For the 2006 assessment, the fecal coliform bacteria parameter is shown to be supporting for the recreation use and should be removed from the 303(d) list of waters. Segment was first listed for a fecal coliform impairment in 2004.</p> <p>The segment that was not supporting fecal coliform bacteria in 2004 is now supporting for fecal coliform bacteria. The sampling results for the 2006 assessment cycle showed one of 14 samples (7.1%) not meeting the fecal coliform bacteria water quality standard.</p>
VAN-E08R_MAH01A00	Marsh Run	2.25 MILES	<p>Aquatic Life Use DELIST - Dissolved Oxygen - VAN-E08R-01</p> <p>For the 2006 assessment, the dissolved oxygen parameter is shown to be supporting for the aquatic life use and should be removed from the 303(d) list of waters. Segment was first listed for a dissolved oxygen impairment in 2002.</p> <p>The segment that was not supporting dissolved oxygen in 2004 is now supporting for dissolved oxygen. The sampling results for the 2006 assessment cycle showed only 1 of 12 samples (8.3%) not meeting the dissolved oxygen water quality standard.</p>
VAN-E11R_RAP01A00	Rapidan River	4.80 MILES	<p>Recreation Use DELIST - Fecal Coliform - VAN-E11R-01</p> <p>For the 2006 assessment, the fecal coliform bacteria parameter is shown to be supporting for the recreation use and should be removed from the 303(d) list of waters. Segment was first listed for a fecal coliform impairment in 2002.</p> <p>The segment that was not supporting fecal coliform bacteria in 2004 is now supporting for fecal coliform bacteria. The sampling results for the 2006 assessment cycle showed 1 of 24 samples (4.2%) not meeting the fecal coliform bacteria water quality standard. Since more than twelve E.coli sampling events have occurred at this location, the fecal coliform standard is no longer applicable. The sampling results for the 2006 assessment cycle showed 0 of 11 samples not meeting the E.coli bacteria water quality standard.</p>

## ***Waters Identified for Delisting Since 2004 Report***

***Assessment  
Unit ID***

***Waterbody Name***

***Size***

***Impairment Summary***

### ***Rappahannock River Basin***

VAP-E25E\_URB01A00

Urbanna Creek

0.22 SQUARE MILES

Recreation Use

DELIST - Fecal Coliform - VAP-E25E-19

The segment was assessed in 2004 as not supporting of the Recreation Use based on a fecal coliform violation rate of 3/20 at 3-URB001.50, located at the end of Route 418. There has been no additional monitoring at this station since 2001 (the violation rate was 0/8 during the 2006 assessment window), however, there has been significant monitoring 0.5 mile downstream at station 3-URB001.00. During the 2006 cycle, the fecal coliform violation rate was 0/31 and the enterococci violation rate was 0/9. Therefore the segment is recommended for delisting.

# Waters Identified for Delisting Since 2004 Report

<i>Assessment Unit ID</i>	<i>Waterbody Name</i>	<i>Size</i>	<i>Impairment Summary</i>
<b>Roanoke and Yadkin River Basins</b>			
VAW-L12L_ROA02A02	Roanoke River SML Middle 1	5214.45 ACRES	<p>Aquatic Life Use DELIST - pH - VAW-L12L-02N</p> <p>The AU did not support the Aquatic Life Use for pH in 2002 where 4 of 23 pH measurement exceed the WQS pH alkaline maximum of 9.0 SU. The 2004 IR reports 3 excursions from 2 measurements not meeting the WQS criterion. The 2006 IR finds 1 exceedance from 33 measurements. Thus showing Full Support for pH. Each exceedance for each Cyle was 9.1. [WQS Class IV Sec. 6i PWS]. The Aquatic Life Use remains Listed for Dissolved Oxygen (Category 4C) and the Fish Consumption Use (Category 5A).</p>
VAC-L19R_ROA01A00	Roanoke (Staunton) River	3.76 MILES	<p>Recreation Use DELIST - Total Fecal Coliform - VAC-L19R-01</p> <p>The segment was not supporting the Total Fecal Coliform standard in 2004, but is now supporting the new e Coli standard. The sampling results for the 2006 cycle showed only 2/21 samples not meeting the new criteria.</p>
VAC-L19R_ROA03A00	Roanoke (Staunton) River	6.78 MILES	<p>Recreation Use DELIST - Total Fecal Coliform - VAC-L19R-01</p> <p>The segment was not supporting the Total Fecal Coliform standard in 2004, but is now supporting the new e Coli standard. The sampling results for the 2006 cycle showed only 2/21 samples not meeting the new criteria.</p>
VAC-L30R_ROA02A00	Roanoke (Staunton) River	2.25 MILES	<p>Recreation Use DELIST - Fecal Coliform - VAC-L19R-01</p> <p>The segment was not supporting the recreation use during the 2004 cycle due to high fecal coliform counts. The e Coli violation rate during the 2006 shows a fully supporting status wi 2/21 samples violating.</p>

# ***Waters Identified for Delisting Since 2004 Report***

<i><b>Assessment Unit ID</b></i>	<i><b>Waterbody Name</b></i>	<i><b>Size</b></i>	<i><b>Impairment Summary</b></i>
<i><b>Roanoke and Yadkin River Basins</b></i>			
VAC-L30R_ROA03A00	Roanoke (Staunton) River	0.90 MILES	<p>Recreation Use DELIST - Fecal Coliform - VAC-L19R-01</p> <p>The segment was not supporting the recreation use during the 2004 cycle due to high fecal coliform counts. The e Coli violation rate during the 2006 shows a fully supporting status with 1/12 samples violating.</p>
VAC-L30R_ROA04A00	Roanoke (Staunton) River	4.93 MILES	<p>Recreation Use DELIST - Fecal Coliform - VAC-L19R-01</p> <p>The segment was not supporting the recreation use during the 2004 cycle due to high fecal coliform counts. The e Coli violation rate during the 2006 shows a fully supporting status with 1/12 samples violating.</p>
VAC-L30R_ROA06A00	Roanoke (Staunton) River	18.16 MILES	<p>Recreation Use DELIST - Fecal Coliform - VAC-L19R-01</p> <p>The segment was not supporting the recreation use during the 2004 cycle due to high fecal coliform counts. The e Coli violation rate during the 2006 shows a fully supporting status with 1/12 samples violating.</p>
VAC-L31R_SEN01A00	Seneca Creek	9.10 MILES	<p>Recreation Use DELIST - Fecal Coliform - VAC-L31R-01</p> <p>This segment was not supporting the recreation use during the 2004 cycle due to high fecal coliform samples. The 2006 results show a supporting status with 2/21 violations of fecal coliform.</p>

# Waters Identified for Delisting Since 2004 Report

<i>Assessment Unit ID</i>	<i>Waterbody Name</i>	<i>Size</i>	<i>Impairment Summary</i>
<b><i>Roanoke and Yadkin River Basins</i></b>			
VAW-L43R_SMR06A00	South Mayo River Upper 1	4.46 MILES	<p>Aquatic Life Use DELIST - Temperature - VAW-L43R-01</p> <p>The AU did not support the Aquatic Life Use for Temperature in 2004 where 2 of 19 measurements did not meet the WQS temperature criterion for Class VI streams. Temperature measurements for the 2006 IR find 1 of 13 measurements not meeting the Class VI criterion. Measurements for both assessment data windows, eg. 1998 - 2004, reveal 2 of 22 measurements do not meet the Class VI criterion again showing Full Support. The AU remains impaired for fecal coliform.</p>
VAC-L71R_BAN04A00	Banister River	1.41 MILES	<p>Recreation Use DELIST - Fecal Coliform - VAC-L71R-04</p> <p>The segment was not supporting the recreation use during the 2004 cycle. During the 2006 cycle, the segment is showing a fully supporting status of 2 violations out of 34 fecal coliform samples.</p>
VAC-L71R_BAN05A00	Banister River	10.52 MILES	<p>Recreation Use DELIST - Fecal Coliform - VAC-L71R-04</p> <p>The segment was not supporting the recreation use during the 2004 cycle. During the 2006 cycle, the segment is showing a fully supporting status of 2 violations out of 34 fecal coliform samples.</p>
VAC-L79R_MES01A98	Miles Creek	5.55 MILES	<p>Recreation Use DELIST - Total Fecal Coliform - VAC-L79R-02</p> <p>The segment that was not supporting during the 2004 cycle is now showing a fully supporting status for the recreation use. The fecal coliform violation rate during the 2006 cycle was 1 of 18.</p>
VAC-L81R_POB01A00	Poplar Creek	3.41 MILES	<p>Recreation Use DELIST - Total Fecal Coliform - VAC-L81R-01</p> <p>The segment was not supporting the recreation use for the 2004 cycle. During the 2006 cycle it is showing fully supporting status with 0 out of 20 total fecal coliform samples.</p>

# Waters Identified for Delisting Since 2004 Report

Assessment Unit ID	Waterbody Name	Size	Impairment Summary
<b>Roanoke and Yadkin River Basins</b>			
VAC-L82R_PHC01A00	Pea Hill Creek	6.07 MILES	<p>Recreation Use DELIST - Total Fecal Coliform - VAC-L82R-01</p> <p>The segment was not supporting the recreation use during the 2004 cycle. During the 2006 cycle the segment shows a fully supporting status with a 1 out of 19 violation rate of fecal coliform samples.</p>

# Waters Identified for Delisting Since 2004 Report

<i>Assessment Unit ID</i>	<i>Waterbody Name</i>	<i>Size</i>	<i>Impairment Summary</i>
<b><i>Chowan River and Dismal Swamp Basins</i></b>			
VAP-K19R_NTW01B00	Nottoway River	12.54 MILES	<p>Recreation Use DELIST - Fecal Coliform - VAP-K19R-04 (01340)</p> <p>5ANTW078.20 had a fecal coliform violation rate of 1/38 and an e. Coli violation rate of 0/9 during the 2006 cycle, therefore the segment should be delisted.</p>
VAP-K20R_BTR01A02	Butterwood Creek	3.42 MILES	<p>Aquatic Life Use DELIST - pH &amp; Dissolved Oxygen- VAP-K20R-01</p> <p>During the year 2006 cycle, the pH and dissolved oxygen violation rates at 5ABTR016.28 were acceptable (0/16), therefore the segment should be delisted.</p>
VAP-K20R_BTR02A06	Butterwood Creek	9.90 MILES	<p>Aquatic Life Use DELIST - pH - VAP-K20R-01</p> <p>During the 2006 cycle, the pH violation rate was acceptable at all stations within the segment. pH should be removed as an impairing cause from Butterwood Creek.</p>
VAP-K20R_BTR03A06	Butterwood Creek	4.65 MILES	<p>Aquatic Life Use DELIST - pH &amp; Dissolved Oxygen- VAP-K20R-01</p> <p>During the year 2006 cycle, the pH violation rate at 5ABTR016.28 was acceptable (0/16), therefore the segment should be delisted.</p> <p>DELIST - Dissolved Oxygen - VAP-K20R-01</p> <p>During the year 2006 cycle, the dissolved oxygen violation rate at 5ABTR016.28 was acceptable (0/16), therefore the segment should be delisted.</p>
VAP-K20R_RDK01A00	Reedy Creek	4.33 MILES	<p>Aquatic Life Use DELIST - pH &amp; Dissolved Oxygen- VAP-K20R-01 (01342 &amp; 01343)</p> <p>During the 2006 cycle, Reedy Creek had acceptable pH and dissolved oxygen violation rate</p>

# Waters Identified for Delisting Since 2004 Report

<i>Assessment Unit ID</i>	<i>Waterbody Name</i>	<i>Size</i>	<i>Impairment Summary</i>
<b><i>Chowan River and Dismal Swamp Basins</i></b>			
VAP-K20R_RRC01A00	Rocky Run Creek	8.63 MILES	<p>Aquatic Life Use DELIST - pH &amp; Dissolved Oxygen - VAP-K20R-01 (01344 &amp; 01345)</p> <p>The pH and dissolved oxygen violation rates were acceptable during the 2006 cycle, therefore the segment should be delisted.</p>
VAP-K20R_WOK01A00	White Oak Swamp	15.50 MILES	<p>Aquatic Life Use DELIST - pH &amp; Dissolved Oxygen - VAP-K20R-01 (01346)</p> <p>The mainstems of White Oak Swamp and Butterwood Swamp were initially listed as fully supporting but threatened for dissolved oxygen in the 1998 cycle. Station 5ABTR002.80 (Route 646 bridge) was identified to Virginia for listing consideration because of dissolved oxygen.</p> <p>During the year 2002 cycle, the segment was assessed partially supporting of the Aquatic Use because of pH violations (5ABTR002.80). The DO violation rate at this station was acceptable (3/38), but due to DO violations throughout the watershed (see below) the segment was extended to include Reedy Creek and Rocky Run Creek. The entire segment was listed for both pH and dissolved oxygen. The impairment was continued in the 2004 cycle.</p> <p>During the 2006 cycle, two Natural Conditions Assessment studies were performed. The results of the monitoring and study indicated that this segment of White Oak Swamp should be delisted because it acceptable pH and dissolved oxygen values at all stations.</p>
VAP-K21R_STO02B00	Stony Creek	5.62 MILES	<p>Recreation Use DELIST - Fecal Coliform - VAP-K21R-01 (01347)</p> <p>At station 5ASTO001.20, the fecal coliform violation rate was 2/30 and the e. Coli violation rate was 0/9 during the 2006 cycle, therefore the segment should be delisted.</p> <p>Aquatic Life Use DELIST - pH - VAP-K21R-01</p> <p>The pH violation rate at station 5ASTO001.20 is 3/30 during the 2006 cycle, therefore the segment should be delisted.</p>

# Waters Identified for Delisting Since 2004 Report

<i>Assessment Unit ID</i>	<i>Waterbody Name</i>	<i>Size</i>	<i>Impairment Summary</i>
<b><i>Chowan River and Dismal Swamp Basins</i></b>			
VAP-K22R_SAP01A00	Sappony Creek	20.98 MILES	<p>Aquatic Life Use DELIST - Dissolved Oxygen - VAP-K22R-01</p> <p>The segment had acceptable dissolved oxygen rates at multiple stations within the watershed. Therefore the segment should be delisted, as recommended in the Natural Conditions Assessment for Low DO, Sappony Creek. Dinwiddie County, Virginia</p>
VAP-K23R_NBT01A98	Nebletts Mill Run and Tributaries	32.56 MILES	<p>Aquatic Life Use DELIST - pH- VAP-K23R-03 (00466)</p> <p>The Nebletts Mill Run watershed was reclassified as Class VII swampwaters during the 200 cycle. The segment is now meeting the applicable pH criteria (0/27 at 5ANBT001.26, 0/17 at 5AXDV000.46) and can be delisted.</p>
VAP-K23R_NBT02A00	Nebletts Mill Run	3.48 MILES	<p>Recreation Use DELIST - Fecal Coliform - VAP-K23R-03</p> <p>During the year 2006 cycle, the fecal coliform violation rate at 5ANBT001.26 was acceptable (2/19), therefore the segment should be delisted (01350).</p> <p>Aquatic Life Use DELIST - pH - VAP-K23R-03 (00466)</p> <p>The Nebletts Mill Run watershed was reclassified as Class VII swampwaters during the 200 cycle. The segment is now meeting the applicable pH criteria (0/27 at 5ANBT001.26, 0/17 at 5AXDV000.46) and can be delisted.</p>
VAP-K23R_NBT03A04	Nebletts Mill Run lower tributaries	4.37 MILES	<p>Aquatic Life Use DELIST - pH - VAP-K23R-03 (00466)</p> <p>The Nebletts Mill Run watershed was reclassified as Class VII swampwaters during the 200 cycle. The segment is now meeting the applicable pH criteria (0/27 at 5ANBT001.26, 0/17 at 5AXDV000.46) and can be delisted.</p>

# Waters Identified for Delisting Since 2004 Report

Assessment Unit ID	Waterbody Name	Size	Impairment Summary
<b>Chowan River and Dismal Swamp Basins</b>			
VAP-K23R_ROW02A00	Rowanty Creek	1.11 MILES	<p>Aquatic Life Use DELIST - pH - VAP-K23R-01 (00477)</p> <p>During the 2006 cycle, the segment was reclassified as a Class VII swampwater. Although no new data has been collected at station 5AROW013.14 since 2001, the existing data was reassessed to determine compliance with the new standards. The pH violation rate during the 2006 cycle was 0/8. In addition, the pH violation rate at station 5AROW002.41 in the downstream segment was also acceptable (0/13), therefore the segment should be delisted.</p> <p>DELIST - Dissolved Oxygen VAP-K23R-01 (00478)</p> <p>During the 2006 cycle, the segment was reclassified as a Class VII swampwater. Although no new data has been collected at station 5AROW013.14 since 2001, the existing data was reassessed to determine compliance with the new standards. The DO violation rate during the 2006 cycle was 0/8. In addition, the DO violation rate at station 5AROW002.41 in the downstream segment was also acceptable (0/13), therefore the segment should be delisted.</p>
VAP-K23R_ROW03A06	Rowanty Creek and Tributaries	83.95 MILES	<p>Aquatic Life Use DELIST - pH &amp; Dissolved Oxygen - VAP-K23R-01 (00477/00478)</p> <p>During the 2006 cycle, the segment was reclassified as a Class VII swampwater. The pH and dissolved oxygen violation rates at station 5AROW002.41 were acceptable (0/13), therefore the segment should be delisted.</p>
VAP-K23R_XDV01A02	UT to Nebletts Mill Run	1.73 MILES	<p>Aquatic Life Use DELIST - pH - VAP-K23R-03 (00466)</p> <p>The Nebletts Mill Run watershed was reclassified as Class VII swampwaters during the 200 cycle. The segment is now meeting the applicable pH criteria (0/27 at 5ANBT001.26, 0/17 at 5AXDV000.46) and can be delisted.</p>

# ***Waters Identified for Delisting Since 2004 Report***

<i><b>Assessment Unit ID</b></i>	<i><b>Waterbody Name</b></i>	<i><b>Size</b></i>	<i><b>Impairment Summary</b></i>
<i><b>Chowan River and Dismal Swamp Basins</b></i>			
VAP-K24R_HQC01A98	Hunting Quarter Swamp	16.55 MILES	<p>Aquatic Life Use DELIST PARTIAL - Dissolved Oxygen - VAP-K24R-01 (01354)</p> <p>Hunting Quarter Swamp had been assessed as fully supporting but threatened of the Aquatic Life Use since the 1998 cycle based on best professional judgment. Because of its hydrological characteristics, Hunting Quarter Swamp was believed to be subject to the same dissolved oxygen and pH characteristics as other swampwaters assessed as less than fully supporting of its use support goal.</p> <p>Sampling in the 2004 cycle confirmed the pH violations (2/2), therefore the segment was downgraded to impaired. Although the DO violation rate was acceptable (0/2), the samples were taken in the winter months and therefore dissolved oxygen was still added as an impairing cause based on BPJ.</p> <p>However, during the 2006 cycle, additional monitoring was conducted. This monitoring confirmed the pH violations (5/5), but the DO violation rate was acceptable (0/5). The segment should be delisted for dissolved oxygen.</p>
VAP-K25R_RCN01A02	Raccoon Creek	19.30 MILES	<p>Aquatic Life Use DELIST PARTIAL - pH - VAP-K25R-01 (00662)</p> <p>The Raccoon Creek watershed has been reclassified a Class VII swampwater and the pH standard has been adjusted to 4.3-9.0. There were no violations of pH at the following stations during the 2006 standard:</p> <p>5ARCN003.36 5ARCN008.86 5ARCN009.92 5ARCN012.80 5ARCN014.72</p> <p>Therefore the segment should be delisted.</p>

# ***Waters Identified for Delisting Since 2004 Report***

<i><b>Assessment Unit ID</b></i>	<i><b>Waterbody Name</b></i>	<i><b>Size</b></i>	<i><b>Impairment Summary</b></i>
<i><b>Chowan River and Dismal Swamp Basins</b></i>			
VAP-K25R_SGC01A98	Spring Creek	16.24 MILES	<p>Aquatic Life Use DELIST PARTIAL - pH - VAP-K25R-01 (00662)</p> <p>The Raccoon Creek watershed has been reclassified a Class VII swampwater and the pH standard has been adjusted to 4.3-9.0. There were no violations of pH at the following stations during the 2006 standard:</p> <p>5ASGC004.15 5ASGC007.19 5ASGC008.34 5ASGC013.03</p> <p>Therefore the segment should be delisted.</p>
VAP-K26R_OTD01A98	Otterdam Swamp	10.66 MILES	<p>Aquatic Life Use DELIST PARTIAL - pH - VAP-K26R-01 (01357)</p> <p>During the 2006 cycle, Three Creek and its tributaries were reclassified as Class VII swampwaters and the applicable pH criteria was adjusted to 4.3-9.0 SU. The segment is not in conformance with the new pH criteria based on station 5ATRE022.05 and should be delisted for pH.</p>
VAP-K26R_TRE02B98	Three Creek	6.44 MILES	<p>Aquatic Life Use DELIST PARTIAL - pH - VAP-K26R-01 (01357)</p> <p>During the 2006 cycle, Three Creek and its tributaries were reclassified as Class VII swampwaters and the applicable pH criteria was adjusted to 4.3-9.0 SU. The segment is not in conformance with the new pH criteria and should be delisted for pH.</p>
VAT-K27R_TRE01A00	Three Creek - Upper	9.12 MILES	<p>Aquatic Life Use DELIST - DO - VAT-K27R-01</p> <p>Stream benthic monitoring assessment indicates impairment (MI in Spring-'00,Fall-'04).</p>

# ***Waters Identified for Delisting Since 2004 Report***

<i><b>Assessment Unit ID</b></i>	<i><b>Waterbody Name</b></i>	<i><b>Size</b></i>	<i><b>Impairment Summary</b></i>
<i><b>Chowan River and Dismal Swamp Basins</b></i>			
VAT-K27R_TRE02A00	Three Creek - Lower	13.31 MILES	<p>Aquatic Life Use DELIST - DO &amp; pH - VAT-K27R-02</p> <p>Proposed for de-listing with the 2006 IR based on Data for 2006 assessment shows DO &amp; pH meets listing criteria and 2006 criteria for pH.</p>
VAP-K29R_ASM01A98	Assamoosick Swamp	11.88 MILES	<p>Aquatic Life Use DELIST PARTIAL - pH - VAP-K29R-01 (00484)</p> <p>During the 2006 cycle, the Assamoosick Swamp watershed has been reclassified as Class VII swampwaters and the applicable pH criteria has been adjusted to 4.3 -9.0 SU. Assamoosick Swamp is now considered fully supporting the pH criteria and should be delisted for pH.</p>
VAP-K29R_ASM02A02	Assamoosick Swamp	3.50 MILES	<p>Aquatic Life Use DELIST PARTIAL - pH -VAP-K29R-01 (00484)</p> <p>During the 2006 cycle, the Assamoosick Swamp watershed has been reclassified as Class VII swampwaters and the applicable pH criteria has been adjusted to 4.3 -9.0 SU. Assamoosick Swamp is now considered fully supporting the pH criteria and should be delisted for pH.</p>
VAP-K29R_ASM02A98	Assamoosick Swamp	4.62 MILES	<p>Aquatic Life Use DELIST PARTIAL - pH - VAP-K29R-01 (00484)</p> <p>During the 2006 cycle, the Assamoosick Swamp watershed has been reclassified as Class VII swampwaters and the applicable pH criteria has been adjusted to 4.3 -9.0 SU. Assamoosick Swamp is now considered fully supporting the pH criteria and should be delisted for pH.</p>
VAP-K29R_BLS01A00	Black Swamp	3.77 MILES	<p>Aquatic Life Use DELIST - pH - VAP-K29R-01 (01359)</p> <p>During the 2006 cycle, the Assamoosick Swamp watershed has been reclassified as Class VII swampwaters and the applicable pH criteria has been adjusted to 4.3 -9.0 SU. Black Swamp is now considered fully supporting the pH criteria and should be delisted for pH.</p>

# Waters Identified for Delisting Since 2004 Report

<i>Assessment Unit ID</i>	<i>Waterbody Name</i>	<i>Size</i>	<i>Impairment Summary</i>
<b>Chowan River and Dismal Swamp Basins</b>			
VAP-K29R_PNS01A02	Pigeon Swamp	4.51 MILES	<p>Aquatic Life Use DELIST PARTIAL - pH - VAP-K29R-01 (00484)</p> <p>During the 2006 cycle, the Assamoosick Swamp watershed has been reclassified as Class VII swampwaters and the applicable pH criteria has been adjusted to 4.3 -9.0 SU. Pigeon Swamp was initially listed as impaired because of a DO violation in 1994. The pH value wa acceptable. Although no new data exists on Pigeon Swamp, the segment will be delisted of the pH impairment based on the old data and other data from the watershed.</p>
VAP-K29R_SRE01A02	Seacorrie Swamp	6.90 MILES	<p>Aquatic Life Use DELIST - pH - VAP-K29R-01 (00484)</p> <p>During the 2006 cycle, the Assamoosick Swamp watershed has been reclassified as Class VII swampwaters and the applicable pH criteria has been adjusted to 4.3 -9.0 SU. Seacorr Swamp is now considered fully supporting the pH criteria and should be delisted for pH.</p>
VAP-K29R_XDW01A02	UT to Assamoosick Swamp	2.05 MILES	<p>Aquatic Life Use DELIST- pH - VAP-K29R-01 (00484)</p> <p>During the 2006 cycle, the Assamoosick Swamp watershed has been reclassified as Class VII swampwaters and the applicable pH criteria has been adjusted to 4.3 -9.0 SU. The DO criteria specific for swampwaters has not been developed yet. The UT to Assamoosick Swamp is now considered fully supporting the pH criteria and should be delisted for pH. Th segment remains impaired for DO as a Cat 4C until the new criteria are developed.</p>
VAP-K31R_BKR01A98	Blackwater Swamp	22.53 MILES	<p>Aquatic Life Use DELIST - pH - VAP-K31R-01 (01365)</p> <p>During the 2006 cycle, the nontidal portion of the Blackwater Swamp watershed has been reclassified as Class VII swampwaters. The pH criteria for swampwaters has been adjustec to 4.3 - 9.0 SU. The Blackwater River is now assessed as fully supporting the pH criteria ar should be delisted for pH.</p>

# ***Waters Identified for Delisting Since 2004 Report***

<i><b>Assessment Unit ID</b></i>	<i><b>Waterbody Name</b></i>	<i><b>Size</b></i>	<i><b>Impairment Summary</b></i>
<i><b>Chowan River and Dismal Swamp Basins</b></i>			
VAP-K31R_WKS01A00	Warwick Swamp	12.87 MILES	<p>Aquatic Life Use DELIST - pH - VAP-K31R-01 (00495)</p> <p>During the 2006 cycle, the nontidal portion of the Blackwater Swamp watershed has been reclassified as Class VII swampwaters. The pH criteria for swampwaters has been adjusted to 4.3 - 9.0 SU, and Warwick Swamp is now assessed as fully supporting the pH criteria and should be delisted for pH.</p>
VAP-K31R_WKS02A04	Warwick Swamp	8.82 MILES	<p>Aquatic Life Use DELIST - pH - VAP-K31R-01 (00495)</p> <p>During the 2006 cycle, the nontidal portion of the Blackwater Swamp watershed has been reclassified as Class VII swampwaters. The pH criteria for swampwaters has been adjusted to 4.3 - 9.0 SU, and Warwick Swamp is now assessed as fully supporting the pH criteria and should be delisted for pH.</p>
VAP-K32R_BLW01B98	Blackwater River	16.64 MILES	<p>Aquatic Life Use DELIST PARTIAL - pH - VAP-K32R-01 (00664)</p> <p>During the 2006 cycle, the Blackwater River watershed was reclassified as Class VII swampwaters and the pH criteria was adjusted to 4.3 - 9.0 SU. The pH violation rate was 0/38 at both 5ABLW058.22 and 5ABLW074.66; therefore the segment should be delisted.</p>
VAP-K32R_BLW02B98	Blackwater River	7.91 MILES	<p>Aquatic Life Use DELIST PARTIAL - pH - VAP-K32R-01 (00664)</p> <p>During the 2006 cycle, the Blackwater River watershed was reclassified as Class VII swampwaters and the pH criteria was adjusted to 4.3 - 9.0 SU. The pH violation rate was 0/38 at both 5ABLW058.22 and 5ABLW074.66; therefore the segment should be delisted.</p>

# Waters Identified for Delisting Since 2004 Report

Assessment Unit ID	Waterbody Name	Size	Impairment Summary
<b>Chowan River and Dismal Swamp Basins</b>			
VAP-K32R_CPH01A98	Coppahaunk Swamp	12.49 MILES	<p>Aquatic Life Use DELIST PARTIAL - pH - VAP-K32R-05 (01370)</p> <p>During the 2006 cycle, the nontidal portion of the Blackwater River watershed has been reclassified as Class VII swampwaters. The pH criteria for swampwaters has been adjusted to 4.3 - 9.0 SU. Coppahaunk Swamp is now assessed as fully supporting the pH criteria with 0 violations and should be delisted for pH.</p> <p>5ACPH002.59 (A) 5ACPH006.00 (SS- discontinued 2002) 5AXDT000.50 (SS) 5AXDU000.62 (SS - discontinued 2002)</p>
VAP-K32R_CPP01A98	Cypress Swamp	17.10 MILES	<p>Aquatic Life Use DELIST PARTIAL - pH - VAP-K32R-06 (00665)</p> <p>During the 2006 cycle, the nontidal portion of the Blackwater River watershed has been reclassified as Class VII swampwaters. The pH criteria for swampwaters has been adjusted to 4.3 - 9.0 SU and Cypress Swamp is now assessed as fully supporting the pH criteria and should be delisted for pH.</p>
VAP-K32R_CPP01B06	Cypress Swamp Tributaries	66.93 MILES	<p>Aquatic Life Use DELIST - pH - VAP-K32R-07; VAP-K32R-09 (01373/01375)</p> <p>Johnchecohunk Swamp was initially listed for pH in 2004 and Spring Grove Swamp was listed for DO and pH in 2002, with a TMDL due date of 2014. During the 2006 cycle, the entire nontidal Blackwater River watershed was reclassified as Class VII swampwaters and additional watershed monitoring was performed on the Cypress Swamp tributaries. The segment now incorporates all tributaries to Cypress Swamp. The watershed has acceptable pH values and should be delisted.</p>
VAP-K32R_OTR01A98	Otterdam Swamp	5.95 MILES	<p>Aquatic Life Use DELIST - pH - VAP-K32R-03 (01377)</p> <p>During the 2006 cycle, the entire nontidal Blackwater River watershed was reclassified as Class VII swampwaters and the pH criteria was adjusted to 4.3-9.0 SU. Otterdam Swamp has acceptable pH values and should be delisted for pH.</p>

# ***Waters Identified for Delisting Since 2004 Report***

<i><b>Assessment Unit ID</b></i>	<i><b>Waterbody Name</b></i>	<i><b>Size</b></i>	<i><b>Impairment Summary</b></i>
<i><b>Chowan River and Dismal Swamp Basins</b></i>			
VAP-K32R_OTR02A00	Otterdam Swamp	7.56 MILES	<p>Aquatic Life Use DELIST - pH - VAP-K32R-03 (01377)</p> <p>During the 2006 cycle, the entire nontidal Blackwater River watershed was reclassified as Class VII swampwaters. Otterdam Swamp has acceptable pH values at 5AOTR005.69, 5AOTR004.31, and 5AOTR001.26 and should be delisted for pH.</p>
VAT-K33R_BLW01A00	Blackwater River - Upper	19.12 MILES	<p>Recreation Use DELIST - Bacteria - VAT-K33R-02</p> <p>Assessed using downstream DEQ station @ 5ABLW040.22. . The Recreation Use is fully supported based on the new E.coli bacteria indicator (delist candidate included with station 5ABLW040.22, since in 2004 IR was impaired due to replaced fecal coliform bacteria indicator).</p>
VAT-K33R_BLW02A04	Blackwater River - Lower	8.10 MILES	<p>Recreation Use DELIST - Bacteria - VAT-K33R-02</p> <p>The Recreation Use is fully supported based on the new E.coli bacteria indicator (delist candidate since in 2004 IR was impaired due to replaced fecal coliform bacteria indicator).</p>
VAT-K34R_MSW01A00	Mill Swamp	8.39 MILES	<p>Aquatic Life Use DELIST - pH - VAT-K34R-01</p>
VAT-K34R_RKN01A02	Rattlesnake Swamp	6.09 MILES	<p>Recreation Use DELIST - Bacteria - VAT-K34R-02</p> <p>The Recreation Use is fully supported based on the new E.coli bacteria indicator (delist candidate since in 2004 IR was impaired due to replaced fecal coliform bacteria indicator). The previous listing for Fecal Coliform (VAT-K34R-02) is proposed for delisting based on ( 1 violates / 20 obs.) the Ecoli bacteria criteria.</p>

# ***Waters Identified for Delisting Since 2004 Report***

<i><b>Assessment Unit ID</b></i>	<i><b>Waterbody Name</b></i>	<i><b>Size</b></i>	<i><b>Impairment Summary</b></i>
<i><b>Chowan River and Dismal Swamp Basins</b></i>			
VAP-K09R_MHN01D98	Meherrin River	26.62 MILES	<p>Aquatic Life Use DELIST - Dissolved Oxygen - VAP-K09R-01 (01315)</p> <p>The violation rate in the 2006 cycle was acceptable (2/37) for dissolved oxygen. The segment should be delisted.</p>
VAP-K11R_FON01A02	Fontaine Creek	9.89 MILES	<p>Aquatic Life Use DELIST - Dissolved Oxygen - VAP-K11R-01 (01323)</p> <p>The segment was listed in the 2004 cycle based on a violation rate of 3/16 at 5AFON027.33. Although this station has not been monitored since 2002, the dissolved oxygen violation rate at freshwater probabilistic site 5AFON024.32 was 0/2, therefore the segment can be delisted.</p>
VAP-K11R_FON04A00	Fontaine Creek	15.92 MILES	<p>Aquatic Life Use DELIST - pH - VAP-K11R-02 (01325)</p> <p>The segment has been reclassified a Class VII swampwater. The pH values collected at 5AFON006.07 conform with the new standard. The segment should be delisted.</p>
VAP-K12R_CNY01A00	Caney Swamp	1.65 MILES	<p>Aquatic Life Use DELIST - pH - VAP-K11R-02</p> <p>The segment has been reclassified as a Class VII swampwater and the violation rate during the year 2006 cycle has dropped to 0/13.</p>
VAP-K12R_MLS01A00	Mill Swamp	12.90 MILES	<p>Aquatic Life Use DELIST - pH - VAP-K11R-02 (01325)</p> <p>The segment has been reclassified a Class VII swampwater and should be delisted for pH.</p>

# ***Waters Identified for Delisting Since 2004 Report***

<i><b>Assessment Unit ID</b></i>	<i><b>Waterbody Name</b></i>	<i><b>Size</b></i>	<i><b>Impairment Summary</b></i>
<i><b>Chowan River and Dismal Swamp Basins</b></i>			
VAP-K12R_ZZZ01A00	Unsegmented Rivers in K12	27.68 MILES	<p>Aquatic Life Use DELIST - pH - VAP-K11R-02 (01325)</p> <p>Fontaine Creek and its tributaries are now designated Class VII swampwaters and the segment should be delisted for pH.</p>
VAT-K13R_TRR01A00	Tarrara Creek	13.61 MILES	<p>Recreation Use DELIST - Fecal Coliform - VAT-K13R-01</p> <p>The Recreation Use is fully supported based on the new E.coli bacteria indicator (delist candidate since in 2004 IR was impaired due to replaced fecal coliform bacteria indicator).</p>

# ***Waters Identified for Delisting Since 2004 Report***

<i><b>Assessment Unit ID</b></i>	<i><b>Waterbody Name</b></i>	<i><b>Size</b></i>	<i><b>Impairment Summary</b></i>
<i><b>Tennessee and Big Sandy River Basins</b></i>			
VAS-P03R_MID01A98	Middle Creek	2.65 MILES	<p>Aquatic Life Use DELIST - Benthic Macroinvertebrates - VAS-P03R-01</p> <p>U.S. EPA verbal approval for aquatic life impairment on 4.25.2006.6BMID000.20 was sampled on 11.17.03, 07.31.03; no impairment was detected.</p>
VAS-P03R_MID02A98	Middle Creek	8.32 MILES	<p>Aquatic Life Use DELIST - Benthic Macroinvertebrates - VAS-P03R-01</p> <p>U.S. EPA verbal approval for aquatic life impairment on 4.25.2006.6BMID000.20 was sampled on 11.17.03, 07.31.03; no impairment was detected.</p>
VAS-P11R_SEP01A98	Sepulcher Creek	2.59 MILES	<p>Recreation Use DELIST - Total Fecal Coliform - VAS-P11R-07</p> <p>The fecal coliform standard no longer applies because 12 e. coli samples were collected with only one exceedance and the segment is fully supporting. Fed ID 21469.</p>
VAS-P21R_BTW01A98	Batie Creek	0.84 MILES	<p>Aquatic Life Use DELIST- DO - VAS-P21R-01</p> <p>A diurnal profile study was conducted on 8.26.2004; no results violated the water quality standard for dissolved oxygen.</p>

# ***Waters Identified for Delisting Since 2004 Report***

<i><b>Assessment Unit ID</b></i>	<i><b>Waterbody Name</b></i>	<i><b>Size</b></i>	<i><b>Impairment Summary</b></i>
<i><b>Chesapeake Bay/Atlantic/Small Coastal Basins</b></i>			
VAT-D01E_JEN01A02	Jennys Gut	0.02 SQUARE MILES	<p>Shellfishing Use DELIST - VDH Shellfish Restriction - VAT-D01E-16</p> <p>The VDH-DSS rescinded the condemnation effective 6/7/04. The Shellfish growing area is classified open for the 2006 IR data period.</p>
VAP-C01E_LTM01A98	Little Taskmasters Creek	0.04 SQUARE MILES	<p>Shellfishing Use DELIST - Shellfish - VAP-C01E-11</p> <p>00965 (SF)</p> <p>In 2002, Little Taskmakers Creek was not supporting for shellfish based on VDH-DSS Shellfish Condemnation Notice 11-190, 4/2/1999. During the 2006 cycle, the VDH-DSS rescinded the closure and the shellfish use is now open - Shellfish Condemnation Notice 01 190A, 2/18/2004.</p>
VAP-C04E_BRN01A04	Barn Creek	0.05 SQUARE MILES	<p>Shellfishing Use DELIST - Shellfish Consumption - VAP-C04E-28</p> <p>VDH-DSS SFC Number 197A, 2/1/2001 was rescinded on the 4/28/2003 condemnation, therefore the area should be delisted for shellfish.</p>
VAP-C04E_LAN01A02	Lanes Creek	0.05 SQUARE MILES	<p>Shellfishing Use DELIST - Shellfish Condemnation - VAP-C04E-26</p> <p>VDH-DSS Condemnation 099C, 2/1/2001 was rescinded on 4/28/2004. The area should be delisted for shellfish.</p>
VAT-C13E_NSS02A06	Nassawadox Creek - Lower	3.83 SQUARE MILES	<p>Recreation Use DELIST - Fecal Coliform - VAT-C13E-01.</p> <p>The Recreation Use is fully supported, and the previous listing for Fecal Coliform (VAT-C13 01) is proposed for delisting based on no exceedances ( 1 violates / 14 obs.) of the Enterococcus bacteria criteria.</p>

# Waters Identified for Delisting Since 2004 Report

<i>Assessment Unit ID</i>	<i>Waterbody Name</i>	<i>Size</i>	<i>Impairment Summary</i>
<b>Chesapeake Bay/Atlantic/Small Coastal Basins</b>			
VAT-D07E_LAE01A06	Lake Wesley - Upstream Branches	0.03 SQUARE MILES	<p>Aquatic Life Use DELIST - pH - VAT-D07E-01</p> <p>The previous Aquatic Life Use impairment (TMDL ID: VAT-D07E-01) is proposed for delisting in 2006 IR cycle. Data for pH collected at the DEQ (AQM) monitoring station @ 7-LAE000.2 indicates the previously violated DEQ minimum pH criteria (&lt; 4.0 SU) is met per data collected during the 2006 IR cycle ( 0 violate / 37 observations = 0.0% violation rate).</p>
VAT-D07E_LAI01A06	Lake Rudee - Upper	0.09 SQUARE MILES	<p>Aquatic Life Use DELIST - pH - VAT-D07E-02</p> <p>The previous Aquatic Life Use impairment (TMDL ID: VAT-D07E-02) is proposed for delisting in 2006 IR cycle. Data for pH collected at the DEQ (AQM) monitoring station @ 7-LAI000.56 indicates the previously violated DEQ minimum pH criteria (&lt; 4.0 SU) is met per data collected during the 2006 IR cycle ( 0 violate / 37 observations = 0.0% violation rate).</p>
VAT-D07E_LAI02A06	Lake Rudee - Lower (Rudee Inlet Canal)	0.03 SQUARE MILES	<p>Aquatic Life Use DELIST - pH - VAT-D07E-02.</p> <p>The previous Aquatic Life Use impairment (TMDL ID: VAT-D07E-02) is proposed for delisting in 2006 IR cycle. Data for pH collected at the DEQ (AQM) monitoring station indicates the previously violated DEQ minimum pH criteria (&lt; 4.0 SU) is met per data collected during the 2006 IR cycle ( @ 7-LAI000.18, 0 violates / 37 observations = 0.0% violation rate &amp; @ 7-LAI000.04, 0 violates / 35 observations = 0.0% violation rate).</p>
VAT-D07E_OWL02A02	Owl Creek - Lower	0.02 SQUARE MILES	<p>Aquatic Life Use DELIST - pH - VAT-D07E-03</p> <p>The 2004 IR impairment for pH ( VAT-D07E-03) is proposed for delisting.</p>

# Waters Identified for Delisting Since 2004 Report

<i>Assessment Unit ID</i>	<i>Waterbody Name</i>	<i>Size</i>	<i>Impairment Summary</i>
<b>York River Basin</b>			
VAN-F16R_POR01A02	Po River	7.38 MILES	<p>Recreation Use DELIST - Fecal Coliform - VAN-F16R-02</p> <p>For the 2006 assessment, the fecal coliform bacteria parameter is shown to be supporting for the recreation use and should be removed from the 303(d) list of waters. Segment was first listed for a fecal coliform impairment in 2004.</p> <p>The segment that was not supporting fecal coliform bacteria in 2004 is now supporting for fecal coliform bacteria. The sampling results for the 2006 assessment cycle showed one of 27 samples (3.7%) not meeting the fecal coliform bacteria water quality standard.</p>
VAP-F23R_GNT01A00	Garnetts Creek	3.12 MILES	<p>Aquatic Life Use DELIST - pH - VAP-F23R-04 (01120)</p> <p>During the 2004 cycle, Garnetts Creek was assessed as not supporting of the Aquatic Life Use goal based on a pH violation rate of 2/10 at Route 633 (8-GNT001.54). During the 2006 cycle, the violation rate dropped to 2/21, therefore the segment should be delisted.</p>
VAP-F23R_MPN01A00	Mattaponi River	4.72 MILES	<p>Fish Consumption Use DELIST - Benzo(k)fluoranthene - VAP-F23R-01</p> <p>The Mattaponi River has been considered not supporting of the Fish Consumption Use because in 1996 sampling the screening value (SV) for benzo(k)fluoranthene was exceeded in 3 sp at 8-MPN041.41. Additional fish tissue monitoring in 2003 indicated acceptable level of benzo(k)fluoranthene, therefore the segment is delisted for this parameter.</p>
VAN-F01R_SAR02A02	South Anna River	7.02 MILES	<p>Aquatic Life Use DELIST - pH - VAN-F01-01</p> <p>For the 2006 assessment, the pH parameter is shown to be supporting for the aquatic life use and should be removed from the 303(d) list of waters. Segment was first listed for a pH impairment in 2004.</p> <p>The segment that was not supporting pH in 2004 is now supporting for pH. The sampling results from special study station 8-SAR097.82 for the 2006 assessment cycle showed zero of 25 samples (0.0%) not meeting the pH water quality standard.</p>

# Waters Identified for Delisting Since 2004 Report

<i>Assessment Unit ID</i>	<i>Waterbody Name</i>	<i>Size</i>	<i>Impairment Summary</i>
<b>York River Basin</b>			
VAN-F03R_TLR01A00	Taylor's Creek	16.26 MILES	<p>Recreation Use DELIST - Fecal Coliform - VAN-F03R-01</p> <p>For the 2006 assessment, the fecal coliform bacteria parameter is shown to be supporting for the recreation use and should be removed from the 303(d) list of waters. Segment was first listed for a fecal coliform impairment in 2002.</p> <p>The segment that was not supporting fecal coliform bacteria in 2004 is now supporting for fecal coliform bacteria. The sampling results for the 2006 assessment cycle showed two of 20 samples (10.0%) not meeting the fecal coliform bacteria water quality standard. Since twelve E.coli sampling events have occurred at this location, the fecal coliform standard is no longer applicable. The sampling results for the 2006 assessment cycle showed 1 of 12 samples not meeting the E.coli bacteria water quality standard.</p>
VAP-F04R_SAR01A98	South Anna River	2.75 MILES	<p>Recreation Use DELIST PARTIAL - Fecal Coliform - VAP-F04R-01 (00244)</p> <p>During the 2006 cycle, e. Coli monitoring was conducted at the Route 33 bridge (8-SAR021.22). Violation rates were acceptable at the station (1/12). The impaired segment has been shortened from the UT above Horseshoe Bridge Road downstream to the Ashland Municipal STP, therefore this segment is recommended for delisting.</p>
VAP-F04R_SAR02A98	South Anna River	5.00 MILES	<p>Recreation Use DELIST PARTIAL - Fecal Coliform - VAP-F04R-01</p> <p>This segment is assessed based on data extrapolated from 8-SAR021.22 and 8-SAR014.47. Both stations had acceptable e. Coli violation rates during the 2006 cycle, therefore this segment should be delisted. The impaired segment is now downstream from the UT above Horseshoe Bridge Road to the Ashland Municipal STP.</p>
VAP-F04R_SAR03A02	South Anna River	0.51 MILES	<p>Recreation Use DELIST PARTIAL - Fecal Coliform - VAP-F04R-01 (00244)</p> <p>During the 2006 cycle, e. Coli monitoring was conducted at the Route 54 bridge (8-SAR014.47). Violation rates were acceptable at the station (0/9). The impaired segment has been shortened from the UT above Horseshoe Bridge Road downstream to the Ashland Municipal STP, therefore this segment is recommended for delisting.</p>

# ***Waters Identified for Delisting Since 2004 Report***

<i><b>Assessment Unit ID</b></i>	<i><b>Waterbody Name</b></i>	<i><b>Size</b></i>	<i><b>Impairment Summary</b></i>
<i><b>York River Basin</b></i>			
VAP-F04R_SAR03A98	South Anna River	4.63 MILES	<p>Recreation Use DELIST - Fecal Coliform - VAP-F04R-02 (00249)</p> <p>The segment was initially listed as impaired of the Recreation Use during the 1998 cycle. During the 2006 cycle, E. coli monitoring at the Route 738 bridge (8-SAR001.11) was fully supporting (1/21), therefore the segment should be delisted.</p>
VAN-F06R_HCN01A02	North Fork Hickory Creek	4.82 MILES	<p>Aquatic Life Use DELIST - pH - VAN-F06R-04</p> <p>For the 2006 assessment, the pH parameter is shown to be supporting for the aquatic life use. On May 2, 2005, the EPA approved the delisting of this segment for the pH parameter</p>
VAP-F09R_NST01A98	Northeast Creek	18.04 MILES	<p>Aquatic Life Use DELIST - Dissolved Oxygen - VAP-F09R-01 (01099)</p> <p>During the 2002 cycle, the segment was assessed not supporting of the Aquatic Life Use because of dissolved oxygen impairments at the Route 622 bridge (8-NST003.46). The TMDL for this impairments was due in 2014.</p> <p>During the 2006 cycle, additional monitoring was conducted in the watershed. The segmen was extended to incorporate all of Northeast Creek and should be delisted for dissolved oxygen based on an acceptable violation rate at all stations.</p> <p>8-NST003.46 (A ,TM) Monitored by NVRO. 8-NST000.58 (TM) 8-NST003.46 (TM) 8-NST007.84 (TM) 8-NST011.67 (TM)</p>

# Waters Identified for Delisting Since 2004 Report

<i>Assessment Unit ID</i>	<i>Waterbody Name</i>	<i>Size</i>	<i>Impairment Summary</i>
<b>York River Basin</b>			
VAP-F13E_PMK02A98	Pamunkey River	0.82 SQUARE MILES	<p>Recreation Use DELIST - Fecal Coliform - VAP-F13E-02</p> <p>The Pamunkey River was initially listed on the 1998 303(d) list as impaired of the Recreation Use goal because of fecal coliform violations at Pampatike Landing (Route 654). EPA also identified the station on their list of "Waters Identified to Virginia for Consideration During Development of the Next Listing Cycle." This inclusion was probably in error as the segment was already 303(d) listed.</p> <p>During the 2004 assessment cycle, the segment continued to be impaired of the Swimming use goal based on fecal coliform violations at Pampatike Landing (8-PMK048.80). However during the 2006 cycle, the bacteria standard changed to E. coli and the segment had acceptable violation rates: 1/19 at 8-PMK048.80 and 0/12 at 8-PMK039.74. Therefore the segment should be delisted.</p>
VAP-F13E_PMK03A06	Pamunkey River	0.12 SQUARE MILES	<p>Recreation Use DELIST - Fecal Coliform - VAP-F13E-02</p> <p>The Pamunkey River was initially listed on the 1998 303(d) list as impaired of the Recreation Use goal because of fecal coliform violations at Pampatike Landing (Route 654). EPA also identified the station on their list of "Waters Identified to Virginia for Consideration During Development of the Next Listing Cycle." This inclusion was probably in error as the segment was already 303(d) listed.</p> <p>During the 2004 assessment cycle, the segment continued to be impaired of the Swimming use goal based on fecal coliform violations at Pampatike Landing (8-PMK048.80). However during the 2006 cycle, the bacteria standard changed to E. coli and the segment had acceptable violation rates: 1/19 at 8-PMK048.80 and 0/12 at 8-PMK039.74. Therefore the segment should be delisted.</p>
VAP-F13R_BLC01A00	Black Creek	2.61 MILES	<p>Recreation Use DELIST - Fecal Coliform - VAP-F13R-05</p> <p>During the 2006 cycle, the E. coli violation rate at 2-BLC001.77 was acceptable (1/21), therefore the segment should be delisted.</p>

# ***Waters Identified for Delisting Since 2004 Report***

<i><b>Assessment Unit ID</b></i>	<i><b>Waterbody Name</b></i>	<i><b>Size</b></i>	<i><b>Impairment Summary</b></i>
<i><b>York River Basin</b></i>			
VAP-F13R_MDQ03A06	Matedequin Creek	1.43 MILES	<p>Aquatic Life Use DELIST PARTIAL - pH - VAP-F13R-01</p> <p>The Natural Conditions Assessment for Matadequin Creek was completed in 2004. The report recommended that Matadequin Creek and its tributaries from the UT at rivermile 9.33 the mouth be reclassified as Class VII. This upstream segment had an acceptable violation rate (0/16 at 8-MDQ010.85, therefore it should be considered fully supporting.</p>
VAP-F14R_CMC01A00	Cohoke Mill Creek	5.93 MILES	<p>Recreation Use DELIST - Fecal Coliform - VAP-F14R-01</p> <p>Cohoke Mill Creek was initially listed in 2004 as not supporting of the Recreation Use based on a fecal coliform violation rate of 4/30 at the Route 626 bridge (8-CMC005.16). During the 2006 cycle, the fecal coliform rate was acceptable (1/21) and the segment should be delisted.</p>